

SELF STUDY REPORT (2018-2023)



Submitted to

National Agricultural Education Accreditation Board
Indian Council of Agricultural Research, New Delhi



Vasant Rao Naik Marathwada Krishi Vidyapeeth
Parbhani - 431 402 (MS) INDIA



**SELF STUDY REPORT FOR ACCREDITATION
2018 - 2023**

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New Delhi

Submitted by
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Parbhani - 431 402 (MS) INDIA



SELF STUDY REPORT FOR ACCREDITATION 2018 - 2023

Published by Dr. Uday Khodke
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FOREWORD

Agriculture sector is the mainstay of Indian economy, and contributes 18.30 per cent of National GDP (2022-23). About half of the Indian population is dependent on agriculture and its allied activities for their livelihood. The increase in population, declining land, water and biodiversity resources and the intensifying volatilities of climate change poses a threat to food security. Thus, to meet the challenge to produce more from less, a comprehensive, vibrant and quality agricultural research, education and extension system is a must.

Agriculture education, research and extension are integral parts of the National Agricultural Research and Education System (NARES) of India. It has contributed immensely for the development of agriculture and allied sectors. Needless to say that Indian Council of Agricultural Research (ICAR) has helped in setting and maintaining standards in agricultural education through accreditation of State Agricultural Universities (SAUs).

Maharashtra State Agricultural Universities have contributed significantly to the growth of agriculture and allied sectors in the state. In Maharashtra, four Agricultural Universities were established during 1968-72, to cater the specific needs of four regions of the state facing distinct challenges. SAUs have been playing important role in offering agricultural education and disseminate location specific technologies for different regions of the State.

Vasantrao Naik Marathwada Krishi Vidyapeeth (VNMKV) has been working since its establishment in the year 1972 for the socio-economic development of Marathwada region and producing skilled human resource. The VNMKV was accredited by ICAR for five years upto March 2023. The University has made very significant improvements and contributed during last five years. The University is submitting its self-assessment and institutional report for the period of 2018-19 to 2022-2023.

Accordingly, detail self-study reports of all the constituent colleges and consolidated report of the University, as a whole, are prepared to place before the ICAR Accreditation Board. I appreciate the efforts put in by Editorial Board under the guidance of Dr. D.N. Gokhale, Ex.Director of Instruction and Dean, (F/A), VNMKV, Parbhani and Dr. U.M. Khodke, Director of Instruction and Dean, (F/A), VNMKV, Parbhani. The Director of Research, Director of Extension Education, Registrar, University Engineer, Comptroller and Student Welfare Officer of University have provided all necessary information for preparation of report. I also acknowledge the Associate Dean and Principals of various constituent colleges for providing valuable inputs for preparation of self-study reports of their respective colleges.

I also thankfully acknowledge the valuable guidance and encouragement provided by the officers of Education Division, ICAR, New Delhi in preparation of self-study report of VNMKV, Parbhani. Finally, on the behalf of the University, I assure that the best efforts will be made to present the achievements of the University before ICAR Accreditation Board.

Parbhani

Date : 10.10.2023

Dr. Indra Mani
Vice-Chancellor



Dr. D.N. Gokhale

Ex.Director of Instruction and Dean (F/A)

Vasantrao Naik Marathwada Krishi Vidyapeeth

Parbhani - 431402 (MS) INDIA

PREFACE

In view of the renewal of Accreditation of Vasantrao Naik Marathwada Krishi Vidyapeeth, Parbhani and its constituent colleges submitted their Self Study Report (SSR) on 9th July 2023. As per the ICAR West Zone office the university has made changes in the constituent colleges SSR explicitly to re-affirm our stance on granting accreditation by National Agricultural Education Accreditation Board (NAEAB), ICAR. The VNMKV is continuously delivering quality services in areas of agricultural education, research and extension activities. The SSR of VNMKV is a portrait of how VNMKV has evolved over a period of time and we reiterate our stand in promoting excellence in all spheres. The administrative set up and governance of VNMKV supports to meet the mandates of the university.

The efforts have culminated in preparation of SSR, which reflects activities and achievements of our university and the constituent colleges, research and extension units during the last five years. This SSR reflects the renewed focus that VNMKV envisages in coming years for imparting high quality agricultural education, innovative research and effective lab to land activities, thereby contributing to food security at National and International levels.

It is my privilege to present this revised SSR of VNMKV prepared for renewal of accreditation for the period, 2023-2028. All the information provided is in original form and is presented after thorough scrutiny. I immensely thank the ICAR-NAEAB for the previous accreditation and now gearing up for the next phase extension. This document conforms in all aspects to the prescribed proforma for granting accreditation to State Agricultural Universities in our country.

I acknowledge the two level teams at University who are explicitly involved in bringing together this report on their arduous efforts. Special thanks to all University Officers and Heads of VNMKV and its constituent colleges on their constant cooperation and contribution in this regard.

Parbhani

Date : 08.07.2023

Dr. D.N. Gokhale

Ex. DI & Dean (F/A)



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Director of Instruction and Dean (F/A)
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PROLOGUE

Vasantha Naik Marathwada Krishi Vidyapeeth, Parbhani is submitting the revised Self Study Report (SSR) of the University and its constituent colleges by incorporating suggestions received from ICAR West Zone on dt. 16/08/2023 to reaffirm our stance on granting accreditation by NAEAB, ICAR New Delhi. The University is continuously serving the society through quality education, research and extension in the field of Agriculture and allied sciences. University is also exploring new frontiers of science and develop human resource to provide the leadership in technology development and policy guidance for vibrant and resilient agriculture, which should be productive, eco-friendly, sustainable, economically profitable and socially equitable. In order to accomplish this mission, the revised SSR of VNMKV is presented to show of how VNMKV has evolved over a period of time and we reiterate our stand in promoting excellence in all spheres. The administrative set up and governance of VNMKV supports in meeting the mandates of the university.

The efforts have been made in preparation of SSR so that the significant activities conducted and achievements made by the University including its constituent colleges, research units and extension units during the last five years is reflected. This SSR shows the renewed focus which VNMKV envisages in coming years for imparting quality agricultural education, innovative research and effective lab to land activities, thereby contributing to food and nutrition security at National and International levels.

It is my privilege to present revised SSR of VNMKV Parbhani for renewal of accreditation for the period of 2023-24 to 2027-28. All the information provided in this report is in the original form and is presented after thorough scrutiny. I immensely thank the ICAR-NAEAB for giving earlier accreditation and providing us opportunity to gear up for the next phase renewal. This document conforms in all aspects to the prescribed proforma for granting accreditation to State Agricultural Universities in the country.

I acknowledge the two level teams at University who are explicitly involved in bringing together this report with their arduous efforts. Special thanks to all University Officers and Heads of VNMKV and its constituent colleges for their contribution and continuous support.

Parbhani

Date : 10.10.2023

Dr. U.M. Khodke

DI & Dean (F/A)

ACKNOWLEDGMENT

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		Dr. Y.S.Bhagat	Assistant Professor	Member
		Dr. P.R.Zanwar	Associate	Member



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2018-23**

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VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH PARBHANI

1. HISTORY AND DEVELOPMENT OF THE INSTITUTE

1.1 Introduction

The term “Marathwada” has its origin in the word “Mara-hatti-vada (Mar-hat-vada)”, meaning a region of Maratha community. Mughal king appointed a Turani noble Asaf Jahi as the Vazir of Mughal Empire in 1722, but in 1724 he left for the Deccan to start his own kingdom and took the title Nizam-ul-Mulk. Marathwada became a part of Nizam's domain, which later came to be known as the princely state of Hyderabad outside but under the suzerainty of British India. (“Nizam” became the title of the ruling descendants of Nizam-ul-Mulk).

On August 15, 1947, British India was partitioned into two independent states, the Union of India and Pakistan, and the Nizam ruling Hyderabad State at that time chose not to merge Hyderabad state into either country. Subsequently, through Operation Polo, a “police action” on September 17, 1948, the Indian army annexed Hyderabad to India. On November 1, 1956, Marathwada was transferred from Hyderabad state to Bombay state. On May 1, 1960, Bombay state was divided into Maharashtra and Gujarat states, Marathwada becoming a part of the former.

1.1.2. Agriculture Education and Research

The agricultural research in Marathwada region of Maharashtra was laid by the erstwhile Nizam State with commencement of the Main Experimental Farm at Parbhani in 1918. The first college of Agriculture was established in this region at Parbhani in 1956 by Hyderabad State Government just before State reorganization. During Nizam's rule and was affiliated to Osmania University, Hyderabad. The Marathwada Krishi Vidyapeeth (Presently renamed as Vasant Rao Naik Marathwada Krishi Vidyapeeth) established in 1972 on Land grant pattern at Parbhani to fulfill the regional aspirations of agrarian growth. It is entrusted with the responsibilities to provide education in agriculture and allied fields, undertake research and facilitate technology transfer in Marathwada region of Maharashtra. Vasant Rao Naik Marathwada Krishi Vidyapeeth (VNMKV) Parbhani, is one of the prestigious agricultural universities in India. Since its inception, it has gained recognition as an innovative organization in the term of education and research in agriculture. It takes care of research and facilitates agriculture technology transfer in Marathwada region of Maharashtra. The mandate of the university include education in agriculture and allied sciences, research based on regional needs and transfer of technology for increasing agricultural production and quality of life of the people. The university has jurisdiction over the districts of Aurangabad, Beed, Hingoli, Jalna, Latur, Nanded, Osmanabad and Parbhani of Marathwada region comprising nearly 21 percent (64.50 lakh ha) of Maharashtra state (307.70 Lakh ha). Maharashtra is the third largest state in India and occupies a total geographical area of 307.7 lakh ha spread over in thirty six districts. The State Government of Maharashtra extended the name of the University on 1 July 2013 as Vasant Rao Naik Marathwada Krishi Vidyapeeth, Parbhani.

1.1.3 Geographical Distribution

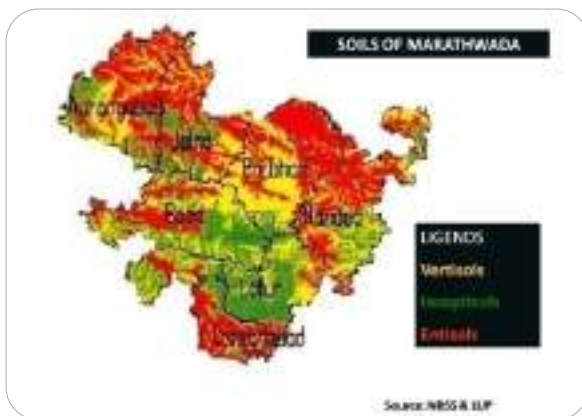
The Marathwada region of Maharashtra State lies between 17° 35' to 20° 40' north latitude and 74° 40' to 78° 15' east longitude comprises Aurangabad, Beed, Hingoli, Jalna, Latur, Nanded, Osmanabad and Parbhani districts. The region has prominent hills viz., Satpuda, Mahadev, Mahi and Ajantha which comprises of basalt rock (Deccan trap) with nodular limestone. The important rivers flowing through the district are Godavari, Manjara, Terana, Kundlika, Purna, Dudhna, Karpara and Kayadhu.

1.1.4. Climate and Rainfall

The climate of Marathwada region varies from district to district. Aurangabad and Jalna have moderate warm wet, cool and dry season. Whereas Nanded has dry climate which is subjected to extreme heat and cold. Parbhani district is generally dry except during the south – west monsoon. The temperature in these district ranges from 11 to 45°C. Nanded district receive highest rainfall and comes under moderately high rainfall zone. There is no uniformity in the rainfall of Parbhani district and the average annual precipitation is 850 mm. Comparatively less rainfall (~650 to 750 mm) is received in the Aurangabad and Jalna districts. Part of Osmanabad and Beed district experience frequent droughts and included in scarcity zone (350 to 550 mm rainfall).

1.1.5. Soils

Soils are derived from basalt rocks and are shallow, moderately deep to very deep (Entisols, Inceptisols and Vertisols as per soil taxonomy). These soils are classified into *Typichaplusterts*, *Verticustochrepts*, *Typicustorthents*, and *Lithic ustorthents*. Soils are low to high in organic carbon content, calcareous to highly calcareous and alkaline in reaction. In general soils are low to very low in nitrogen, low to medium in available phosphorus and high to very high in Potassium. Mostly deficient in sulfur and zinc. High calcium carbonate (Nearly 50 percent cultivated soils) pose lime induced iron chlorosis. High clay crack soils of this region support two crops viz. *Kharif* and *Rabi*. Highly productive under protective irrigation. It is suppose to bowl of Rabi sorghum.



1.1.6. Land Utilization

In Maharashtra, about 59.2 percent (183.1 lakh ha) area is under crops and 20.8 per cent under forests. The irrigated area is 11.4 per cent of the gross cropped area in the state. The land utilization pattern of Marathwada region is as under



1.2 Milestones in Development of VNMKV, Parbhani

2023 - Maize Research Station, Sillod
2018 - KVK, Badnapur
2015 - AICRP on MuLLARP, Badnapur
2013 - P G Programme at College of Agriculture, Badnapur
2012 - College of Agriculture, Golegaon
2010 - KVK, Khangaon
2009 - AICRP on Animal Energy, Parbhani
2009 - AICRP (Dry land fruit crops), Ambejogai
2008 - PG Institute of ABM, Chakur
2006 - Sweet Orange Research Station, Badnapur
2006 - Banana Research Station, Nanded
2006 - College of Agricultural Bio- Technology, Latur
2000 - Regional Agriculture Extension Education Council
2000 - College of Agriculture, Badnapur
2000 - College of Agriculture, Ambejogai
2000 - College of Agriculture, Osmanabad
2000 - ATIC, Parbhani and KVK, Tuljapur
1998 - Custard Apple Research, Station, Ambejogai
1987 - College of Agriculture, Latur
1987 - College of Agricultural Engineering, Parbhani
1984 - College of Horticulture, Parbhani
1983 - KVK, Aurangabad
1981 - Directorate of Extension Education, Parbhani
1976 - College of Home Science, Parbhani
1976 - College of Food Technology, Parbhani
1975 - Extension Education Unit and University Press
1972 - Establishment of Marathwada Krishi Vidyapeeth, Parbhani
1970 - PG programme in 9 subjects launched at Parbhani
1969 - Cotton Research Station, Parbhani
1959 - Oilseeds Research Station, Latur
1956 - B.Sc. (Agri.) Programme at College of Agriculture, Parbhani
1951 - Pulses Research Station, Badnapur
1941 - Cotton Research Station, Nanded
1937 - Fruit Research Station, Aurangabad
1928 - Sorghum Research Station, Parbhani
1918 - Cotton Research Station, Maheboob Bagh, Parbhani

6.6.1 University Governance

6.6.1.1 Vision, Mission and Goals

Marathwada Krishi Vidyapeeth (An Agricultural University) was established on 18th May, 1972 with its head-quarter at Parbhani (Maharashtra). However, agricultural research, education and extension at Parbhani has more than a century long history; as first Cotton Research Station was established in 1918 followed by establishment of Sorghum Research Station in 1928 and College of Agriculture in 1956 under the aegis of Osmania University, Hyderabad.

On the occasion of Birth Centenary of Hon'ble Late Vasant Rao Naik on 1st July 2013, the University was renamed 'Vasant Rao Naik Marathwada Krishi Vidyapeeth' to pay homage to the Father of Green Revolution in the state of Maharashtra, Former Chief Minister Late Vasant Rao Naik. The University celebrated its Golden Jubilee in the year 2022 by showcasing its great achievements.

Vision:

1. The University intends to be one of the leading Agricultural Universities with respect to quality of higher education.
2. Need based and advanced research and upliftment of socio-economic conditions of farmers in the region, through enhancement of their knowledge & skills for sustainable agricultural production.
3. To develop diversified sustainable farming systems for improving productivity and profitability in agriculture.

Mission:

1. To become a centre of excellence in teaching, research and extension education in the field of agriculture and allied sciences for the sustainable agricultural development and livelihood security of farming community.

Mandates:

1. Provide education in agriculture, allied sciences and humanities.
2. Provide research base to improve the productivity of important agri-horticulture, livestock, fisheries and agri-allied activities of Marathwada region.
3. To develop appropriate plans for conservation of natural resources and sustainable use.
4. To undertake and guide extension education programmes, first line transfer of technology, extend services of training, conduct demonstrations and develop appropriate communication network.

5. Standardize technologies for crop production, protection, harvesting, marketing, post-harvest utilization as also for livestock, fisheries and allied agro-communities for improving the living status of farmers, farm workers and Women of Marathwada.
6. Provide the necessary production support of nucleus, breeders and foundation seed of important crops of the region and also generate revenue through large farms for sustainable growth of the University.

The university prepared a vision document entitled “Vision - 2030” which contains the strategic planning of the university in the area of agricultural education, research and extension with short term and long term perspective plans. The futuristic needs of the Agriculture sector in the state of Maharashtra, in general and Marathwada region in particular were considered while developing the vision document. The futuristic role of VNMKV in improving socio-economic status of farmers in region is outlined with specific planning. The vision document highlighted the use of Information Communication Technology for imparting agricultural education, outreach extension activities and also in agricultural research.

The University effectively implemented the V Dean’s Committee recommendations by providing more elective options and more practical approach in curricula to cope with recent needs of the Agro industry. The world bank funded NAHEP project Providing an opportunity of advanced learning in the reputed national and international higher education institutions to the student and stakeholders of the university The effective implementation of RAWE programme is proven beneficial for students to get practical field experience and to develop multi skill talent among the agricultural graduates of the university. Also the university provides an opportunity of internships and apprenticeships to students in Agro-Industrial attachment during RAWE & AIA programme to gain practical experience and exposure to industry-specific knowledge. The functional ELP units of the university impart essential industry skills among the agricultural graduates. The University nominated the experts from the industry on the Board of Studies so that their industrial expertise could be utilized for the betterment of students. The guest lecturers of the renowned industry experts were organized to inculcate the self employment skills among the students of the University. The construction of the Incubation center at College of Food Technology, VNMKV, Parbhani is in progress under PMFME through Ministry of Food Processing and Industries, Government of India, New Delhi. Recently university has launched academic management system (AMS), the teaching faculties have uploaded more than 100 lesson videos on Agri-

Diksha portal and as part of NEP-2020 the students of the university have registered for ABC and Digi Locker.

On the research front, the VNMKV scientists identified the thrust areas of the regional agriculture and developed the new twelve varieties of different crops during the period of 2018-19 to 2022-23 viz., Pearl Millet hybrid: AHB-1200, Linseed LSL-93, Tomato: PBNT-5, *Kharif Sorghum* : Parbhani Shakti (PVK 1009), Cotton : PA 740, Tamarind : Shiwai , Parbhani Super moti : (SPV 2407), Cotton : NHH 44 : The intra hirsutum cotton hybrid NHH 44 BG II, Pigeonpea : BDN 2013-41, *Rabi Jowar Hurda* (Parbhani Vasant - PVRSG 101), Soybean (MAUS-725), Safflower PBNS-154 (Parbhani Suvarna). The world is celebrating 2023 as International Millet Year. Sorghum and Pearl Millet are major cereal crops. It is pride to mention India's first Biofortified variety Parbhani Shakti (PVK-1009) has developed by VNMKV, Parbhani and other two Biofortified variety of Bajara viz AHB-1200fe and AHB-1269fe. The Agricultural Engineers of the university designed the new twenty-two farmer friendly and cost effective equipments/ technologies during the period of 2018-19 to 2022-23. The faculty members and the scientists of the university contributed 1803 research papers in the journal having NAAS rating more than 5. The UVNMKV is having 17 Research Centers, All India Coordinated Research Project Centers 23 and 51 Seed Production Centers. The major externally funded research projects of the university are listed below-

- Characterization and Evaluation of Genetic Resources for Genetic Enhancement of Minor Pulses. Funding Agency: Department of Biotechnology, Government of India. Duration of the project: 2018-19 to till date (2022-23). Grants received for the project: Rs. 87.00 Lakhs.
- Delivering more produced and income to farmers through enhancing genetic gains for Chickpea and Pigeonpea. Funding Agency: ICRISAT, Hyderabad. Duration of the project: 2017-18 to 2020-21. Grants received for the project: Rs. 91.71 Lakhs.

The VNMKV has a systematic mechanism for the dissemination of the technologies to its end users and stakeholders. The faculty and scientists from colleges, research stations and Ad-hoc projects under the university are fully engaged in the extension activities. The Extension Council of the University formulates extension policies and annual extension education programmes for the dissemination of the technologies developed by the agricultural scientists of the university. The Extension Education unit of the university organizes the trainings to farmers, farmwomen, youth, entrepreneurs and extension personnel, NGOs, FPOs and SHGs. This unit also organizes farmers' rallies, field days, group

discussions, farmers-scientist interaction, agricultural exhibitions and crop seminars, etc. Agricultural Technology Information Centre (ATIC) of the university provide single window delivery system for seeds, planting materials and other products like bio-fertilizers, bio-pesticides, agricultural implements, processed products literature, etc. Internet and web page facilities, SMS facilities, scrolling screen facilities, telephone help-lines are also provided at ATIC for easy and faster access and communication. Farmers can get up-to-date information over these facilities. The VNMKV effectively using Information Communication Technology for the outreach and extension activities. The University developed total 11 mobile apps for the dissemination of the latest and up to date information to its stakeholders. The PRO blog also engaged to disseminate the information of the university extension activities which viewed by 6,93,972 viewers. The Face book page reached to 7,17,122 followers and YouTube channel viewers are 4,65,100 of the University are proven the major sources for the effective implementation of the University's Extension activities. University is providing regular advisory on climatic conditions, rainfall forecast through GKMS (Gramin krishi mousam seva) through AICRP on agro meteorology.

Financially, the University is supported by the ICAR, New Delhi and Government of Maharashtra. The ICAR, New Delhi provided grant to the University under various heads for the overall development. The different components of VNMKV, Parbhani related to the education, research, extension education are funded by state Government under non-plan schemes. Moreover, the research projects sanctioned under AICRP (All India Coordinated Research Project) and network research programmes are funded with 75% of ICAR and 25% share of State Government. Similarly, the planed research and development projects on ad-hoc basis are sanctioned with 100% grants by the Central State Government and State Government and other funding agencies. The essential activities at University level are carried out with the approval of the competent authorities of University by utilizing the funds generated under self-supporting schemes and revolving funds for different activities. The University also received funds from the World Bank under National Agricultural Higher Education Programme (Center of Excellence for Digital Farming Solutions for Enhancing Productivity by Robots, Drones and AGVs)

In the glorious history of the university, it is honoured by international, national and state level for its significant work and contribution to various agriculture aspects. Prominent awards received by the University are ICRISAT - Out Standing Partnership Award – Asia (2014), Vasantnaik National Award (2018) of ICAR, New Delhi for AICRP on Dryland

Agriculture Research Station, Jaivik India Awards (2022) for Organic Farming Research, ROMIF India Award (2023) for residue free and organic mission.

The University abides with its ethics to serve for the best of farming community, mother earth conservation and indirectly serving to total humanity with secure nutritive food security. Embracing the One Earth, One Family, One Future ethos, let's collectively nurture our planet by coming together to save Earth and plant trees for a sustainable and thriving future.

The University developed rain water harvesting techniques viz., Broad Bed Furrow (BBF) method of sowing, opening of conservation furrow and Dead Furrow are followed popularly on more than 1.5 lakh farmer's field. These technologies are included in World Bank funded Project on Climate Resilient Agriculture (PoCRA), a flag ship programme of Govt. of Maharashtra for expansion on farmer's field.

Energy conservation is promoted in the campus through use of renewable energy. Energy efficient appliances, solar operated pumps, sprayers, heaters, street lights etc are used to save electricity. Star rated fridges, air conditioners, LED bulbs are used which saves around 278 kWh energy. Six solar heaters of 500 litres capacity each operating at girls' and boys' hostel are saving yearly electricity bill worth of 3.4 lakhs. On grid solar systems of 40.5 and 20 kWh are making buildings self-sufficient for electricity.

Farm waste and crop residue (8 tonnes) from the animal husbandry and agriculture are recycled by different composting methods such as FYM compost (177.2 tonnes worth Rs. 4.125 lakhs, Vermi Compost (137.03 tonnes worth Rs 4.125lakh), Vermi-wash (430 Liters) Biogas plant (4 units 650 liters).

The University regularly organizes different awareness programs for students, farmers and community on tree plantation, eco-friendly technologies, organic farming, green energy plastic free campus, clean campus, crop production with proper residue management, safe use of pesticide and other related use. A massive tree plantation programme was implemented in the University campus at Parbhani by planting 1,68,787 trees of 48 indigenous species during 2017-22 which made the campus oxygen hub of the Parbhani city.

6.6.1.2 Statutes and Regulations

The administration of University is functioning under the Maharashtra Agricultural Universities (Krishi Vidyapeeth) Act 1983, Maharashtra Agricultural Universities (Krishi Vidyapeeth) Statutes, 1990 and amendments in the Status during the year 2014. In brief, the titles of statutes is given as under:

Maharashtra Act No. XLI of 1983

Maharashtra Act No. Xli Of 19831 [The Maharashtra Agricultural Universities (Krishi Vidyapeeth) ACT, 1983] (This Act received the assent of the Governor on 22nd day of August 1983; assent first published in the Maharashtra Government Gazette on the 24th August 1983), Amended by Mah. 12 of 1988 (1-6-1988) Amended by Mah. 41 of 1989 (4-11-1989) Amended by Mah. 22 of 1991 (9-9-1991) Amended by Mah. 19 of 1995 (31-8-1995) Amended by Mah. 46 of 2000 (4-12-2000) Amended by Mah. 14 of 2003 (3-3-2003) Amended by Mah. 27 of 2005 (19-5-2005). The copy of the said Act is available for access on university website.

Maharashtra Agricultural Universities (Krishi Vidyapeeth) Statutes, 1990

Maharashtra Agricultural Universities (Krishi Vidyapeeths) ACT, No. AGU. 2388/CR-16/19-A.—Whereas in the opinion of Government of Maharashtra, it is necessary to make common statutes in respect to Agricultural Universities the State of Maharashtra under section The Maharashtra Agricultural Universities (Krishi Vidyapeeths) Act, (Mah. XLI of 1983). The copy of the said statutes is available for access on university website.

MAU (First Amendment) Statutes 2014

Mantralaya, Annexure, Mumbai 400 032, dated the 15th March 2014. The copy of the said statutes amendment is available for access on university website.

6.6.1.3 University Statutory officers and their selection process

Name of all statutory officers including Deans of the College in the College in the University, their date of appointment, tenure and mode of appointment is given below.

Table: University Statutory officers

S. No.	Name of the Officer (at present)	Position (Sanctioned)	Mode of Appointment	Joining date	Tenure (years)
1	Dr. D.N. Gokhale	Director of Instruction & Dean, F/A, VNMKV, Parbhani	Full time additional charge	05.12.2019	Five
2	Dr. D. P. Waskar	Director of Research, VNMKV, Parbhani	Nomination	17.07.2017	Five
			Full time additional charge	18.07.2022	Five
3	Dr. D.B. Deosarkar	Director of Extension Education, VNMKV, Parbhani	Full time additional charge	05.12.2019	Five
4	Dr. R.D. Ahire	Associate Dean & Principal, College of Agriculture, Badnapur	Full time additional charge	06.07.2021	Five

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5	Dr. B.M. Thombre	Associate Dean & Principal, College of Agriculture, Latur	Full time additional charge	01.07.2022	Five
6	Dr. Syed Ismail	Associate Dean & Principal, College of Agriculture, Parbhani	Full time additional charge	25.05.2020	Five
7	Dr. B.V.Asewar	Associate Dean & Principal, College of Agriculture, Golegaon	Full time additional charge	05.07.2021	Five
8	Dr. Jaya Bangale	Associate Dean & Principal, College of Community Science, Parbhani	Full time additional charge	01.07.2021	Five
9	Dr. K.R.Kamble	Associate Dean & Principal, College of Agriculture, Osmanabad	Full time additional charge	21.10.2022	Five
10	Dr. S.D. Bantewad	Associate Dean & Principal, College of Agriculture, Ambejogai	Full time additional charge	01.07.2022	Five
11	Dr. R.B. Kshirsagar	Associate Dean & Principal, College of Food Technology, Parbhani	Full time additional charge	09.10.2022	Five
12	Dr. U.M. Khodke	Associate Dean & Principal, College of Agricultural Engineering and Technology, Parbhani	Full time additional charge	01.11.2018	Five
13	DR. J.E. Jahagirdar	Associate Dean & Principal, College of Agril. Biotechnology, Latur	Full time additional charge	20.10.2022	Five
14	Prof. H.B. Patil	Associate Dean & Principal, College of Agril. Business Management, Chakur	Full time additional charge	04.08.2011	Five
15	Dr. K.T. Apet	Head of Department, Plant Pathology	Full time additional charge	19.09.2019	Five
16	Dr. G. M. Waghmare	Head of Department, Horticulture	Full time additional charge	01.11.2017	Five
17	Dr. M. B. Patil	Head of Department, Horticulture	Full time additional charge	29.05.2023	Five
18	Dr. R.P .Kadam	Head of Department, Extension Education	Full time additional charge	01.04.2022	Five
19	Dr. D.S. Perke	Head of Department, Agricultural Economics	Full time additional charge	01.02.2021	Five
20	Dr. P.H. Vaidya	Head of Department, Soil Science and Agril. Chemistry	Full time additional charge	11.11.2021	Five
21	Dr. G.K. Londhe	Head of Department, Animal Science and Dairy Science	Full time additional charge	14.01.2019	Five

22	Dr. H.V. Kalpande	Head of Department, Agril. Botany	Full time additional Charge	05.07.2021	Five
23	Dr. P.S.Neharkar	Head of Department, Agril. Entomology	Full time additional charge	01.07.2022	Five
24	Dr.R.G. Bhagyawant	Head of Department, Agril. Engineering	Full time additional charge	02.05.2023	Five
25	Dr. W.N.Narkhede	Head of Department, Agronomy	Full time additional charge	01.11.2022	Five
26	Dr. D.R.Kadam	Registrar	Full time additional charge	15.06.2021	Five
27	Shri. Kiran Kolhe	Comptroller	Full time additional charge	31.03.2023	Five
28	Dr. S. S. More	Student Welfare Officer	Full time additional Charge	09.03.2022	Non tenure
29	Dr. S. D. Kadam	Librarian	Full time additional charge	16.08.2017	Non tenure
30	Shri. D.S. Kashalkar	University Engineer	Deputation	01.12.2022	Non tenure
31	Shri. P.K. Kale	Deputy Registrar	Promotion	01.09.2020	Non tenure
32	Shri. G.A. Bhalerao	Deputy Registrar	Full time additional charge	01.07.2018	Non tenure

6.6.1.4 Decentralization of power

The necessary administrative responsibilities of University Statutory Officers were given in Maharashtra Agricultural Universities (Krishi Vidyapeeth) Act 1983 and appropriate financial powers have been delegated vide University Compendium NO. PPAO/1236/2016, dated 6.12.2016. The details of the financial powers delegated is given below.

Table : Details of the financial powers delegated.

Sr. No	Post	Powers delegated upto
1.	Hon. Vice Chancellor of the University	Full Power
2.	Director of Instruction and Dean / Director of Research / Director of Extension Education	Upto Rs. 3.00 lakhs
3.	Associate Dean (Instruction)	Upto Rs. 1.00 lakhs
4.	Associate Dean and Principal`	Upto Rs. 1.00 lakhs
5.	Heads of the Departments	Upto Rs. 25000/-
6.	Registrar	Upto Rs. 1.00 lakh
7.	University Engineer	Upto Rs. 1.00 lakh
8.	Comptroller	Upto Rs. 1.00 lakh
9.	Students Welfare Officer	Upto Rs. 5000/-
10.	Librarian	Upto Rs. 25000/-
11.	Incharge of the Research Stations	Upto Rs. 15000/-

6.6.1.5 Supporting Units

a) University Maintenance Cell

The university is having well-structured and well-functioning Maintenance and Repairs Cell. This cell is working under the control of University Engineer. Two Jr. Engineers rank officers are the In-charge for Civil and Electrical maintenance and repair work. The Cell is meant to do Civil and Electrical maintenance work as per the need at various offices, hostels (boys and girls) and residential quarters of staff members. The cell is also shouldering the responsibility of water supply to various hostels (boys and girls) and residential quarters of staff members. In addition to these activities, cell is engaged in maintaining the drainage line. These activities of the cell is managed through twenty four full time staff members and twenty nine contractual workers. The cell has done an expenditure of Rs. 6.19 crores during last five years on various maintenance and repair activities. The year wise breakup of expenditure is as under:

Table : Year wise expenditure of maintenance cell

Sr. No.	Year	Total Expenditure (Rs. Crores)
1	2018-19	2.2287580
2	2019-20	1.6670540
3	2020-21	0.0977472
4	2021-22	1.1321024
5	2022-23	1.0668347
	Total	6.1924963

b) SC/ST Cell (University level)

The University has established SC/ST Cell vide Lr. No. AGU-3591/17055/60/18-A, dated 17-5-1984, to implement the reservations policies as formulated by Central and State Government from time to time. The SC/ST Cell is actively functioning in the University to protect the interest SC/ST employees. The composition of SC/ST Cell is as follows.

Table: University level SC/ST Cell

Sr. No	Name of Employee	Designation	Address
1	Dr. G.K. Londhe	Chairman	Head of the Department of AHDS, College of Agriculture, Parbhani
2.	Dr. Neeta Gaikwad	Member	Associate Professor, College of Community Science, Parbhani
3.	Dr. C.V. Ambadkar	Member	Associate Professor, Plant Pathology, CoA, Parbhani
4.	Dr. D.K. Zate	Member	Assistant Professor, Agril. Botany, CoA, Parbhani

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5.	Dr. A,G, Lad	Member	Assistant Professor, Agril, Entomology, CoA, Parbhani
6.	Dr. A.L. Dhamak	Member	Associate Professor, ICAR- AINPSBB, Soil Science and Agril. Chemistry , CoA, Parbhani
7.	Dr.R.N. Khandare	Member	Associate Professor, ICAR-AICRP on Long Term Fertilizer Experiments, VNMKV, Parbhani
8.	Dr. V.S. Khandare	Member	Professor, Vegetable Research Station, VNMKV, Parbhani
9.	Dr. Anand Daunde	Member	Assistant Professor and In-Charge, Tissue Culture Center, VNMKV, Parbhani
10.	Shri. Suresh Hiwarale	Member	Assistant Registrar, Registrar Office, VNMKV, Parbhani
11.	Shri. B.N. Khartade	Member Secretary	Section Officer, Registrar Office, VNMKV, Parbhani

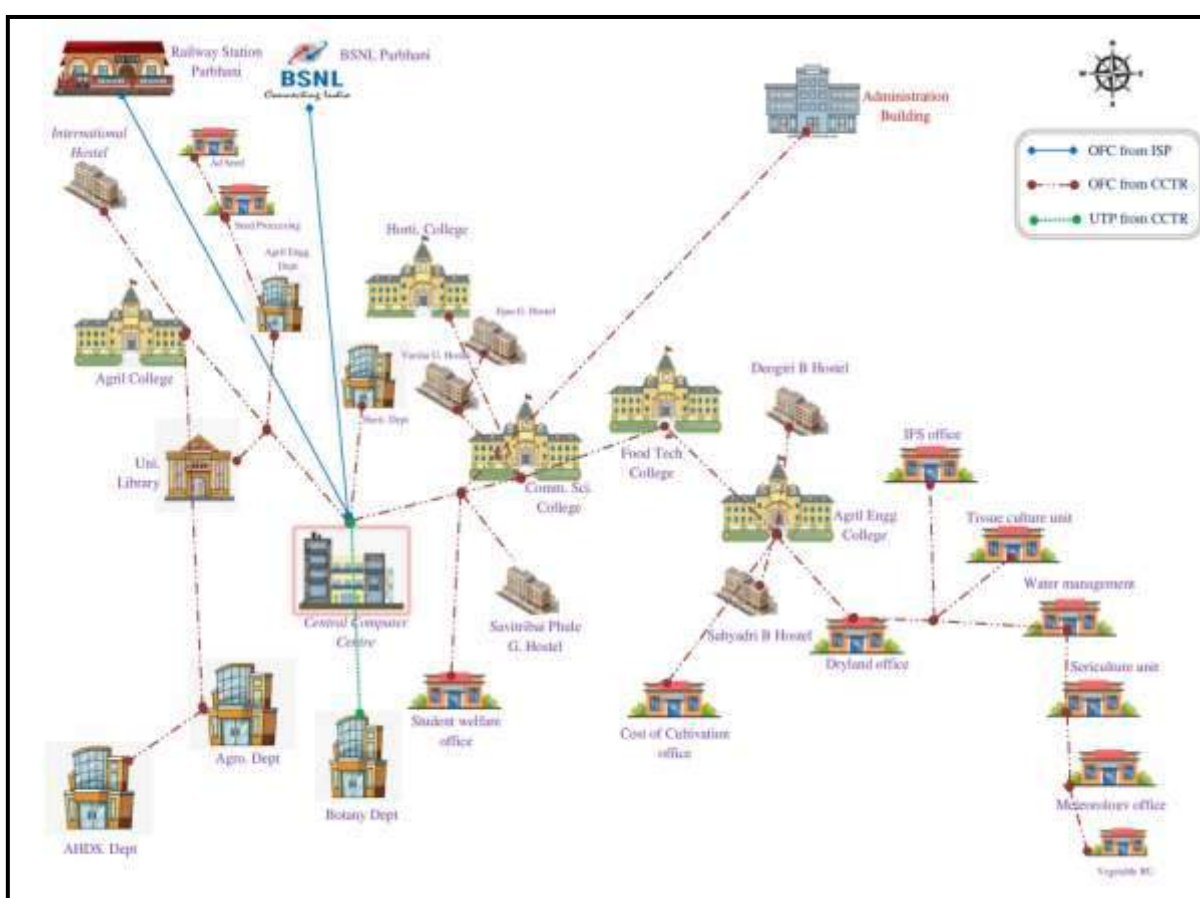
During last five years the Cell has conducted meetings to sort out the various issues with regards to reservations / promotions and other service rules with university administrative officers. The details of the meetings and major decisions are as under.

Table: Details of SC/ST cell meeting

Sr. No	Year	Date of meeting	Major decision
1	2018-19	28.11.2018	1. Direct recruitment and Promotion roaster verification
2	2019-20	08.08.2019	1. Demand for furnished office for SC/ST Cell 2. Demand to provide details of roasters to SC/ST Cell 3. Demand to provide Govt. resolutions and letters with respect to reservations to SC/ST Cell 4. Demand to conduct a review meeting once in three months with university administrative officers.
3	2020-21	30.11.2019	1.To create awareness among SC/ST employees about reservation policies, special training for awareness may be organized with experts 2.University administration may implement the Government Resolution for the benefits of SC/ST employees.
4	2021-22	07.09.2022	Participation in finalization of recruitment and promotion roaster.
5	2022-23	30.11.2022	Roaster checking of Junior Clerk and Senior Clerk
		10.12.2023	Roaster checking Asstt. SO and Section Officer
		26.12.2023	Roaster checking Asstt. SO and Section Officer
		24.01.2023	Roaster checking JRA, SRA, Steno, Computer Operator
		02.02.2023	Roaster checking Agril. Asstt. and Technical posts
		10.02.2023	Roaster checking non-Teaching staff of KVK

6.6.1.6 Technology Support

Classrooms and Computer Laboratories are well equipped with latest and modern ICT teaching aids. Wi-Fi Connectivity is available at boys’ hostels of College of Agriculture, Parbhani, College of Community Science, Parbhani, College of Agricultural Engineering and Technology, Parbhani and also in girls’ hostels. University campus is connected to 1 GBPS NKN link. Connectivity Firewall is installed at gateway level to protect internal network (LAN) and disturbances to NKN network from LAN. Constituent colleges are connected through local BSNL leased line / Broad Band connection. The VNMKV, Parbhani campus LAN structure is as follows.



Map: Local Area Network of VNMKV Parbhani Campus

OFC Network prepared and maintained

All the colleges, administrative building, departments and other offices in the campus of university are connected by OFC network. The internet is distributed among the offices through this OFC network which is created and maintained by CCTR.

6.6.1.7 Institutional Website and Database Update:

The institutional website (www.vnmkv.ac.in) is redesigned with updated technology and the updated version of the website is launched in December 2023. The website has renovated in such a way that it became the best source of agricultural information for students and farmers. The CCTR has designed and developed separate websites (12) for the campus and constituent colleges of the University with separate domain. The details of the campus and constituent colleges URL is mentioned in the following table.

Table: Details of URL

Sr. No.	Name of the College/ Institute	URL
1	University Website	www.vnmkv.ac.in
2	College of Agriculture, Parbhani	www.coa.vnmkv.ac.in
3	College of Agriculture, Latur	www.coal.vnmkv.ac.in
4	College of Agriculture, Badnapur	www.coab.vnmkv.ac.in
5	College of Agriculture, Ambajogai	www.coaam.vnmkv.ac.in
6	College of Agriculture, Osmanabad	www.coaob.vnmkv.ac.in
7	College of Agriculture, Golegaon	www.coagl.vnmkv.ac.in
8	College of Horticulture, Parbhani	www.coh.vnmkv.ac.in
9	College of Food Technology, Parbhani	www.cft.vnmkv.ac.in
10	College of Agricultural Engineering and Technology, Parbhani	www.caet.vnmkv.ac.in
11	College of Community Science, Parbhani	www.ccs.vnmkv.ac.in
12	Vilasrao Deshmukh College of Agricultural Biotechnology, Latur	www.vdabt.vnmkv.ac.in
13	Postgraduate Institute of Agricultural Business Management, Chakur	www.pgabm.vnmkv.ac.in

All the above listed websites have kept updated regularly.

Key features of the university website (www.vnmkv.ac.in) -

i. Mobile compatibility:

The vnmkv.ac.in website is fully mobile compatible and platform independent. As the main stakeholders of the university are the farmers and the students. According to the survey 67.7% farmers and 91.2% students use the smart phones.

ii. Well planned information architecture:

Information is organised and presented on the website is vital for good usability.

iii. Well-Formatted content:

The average Internet user skims through the content on a web page instead of reading each and every word from top to down.

iv. Fast loading time:

Nothing is more annoying for website visitors than a website that takes long to load. Our website loads within 4 to 6 seconds is important for good usability. It also affects your search engine ranking.

v. Browser consistency:

Browser is compatible for all major browsers such as Chrome, Internet Explorer, Firefox, Safari and Opera.

vi. Effective navigation:

Good navigation is one of the most important aspects of website usability. Simple HTML or Java Script menus tend to work best and appear consistent on all browsers and platforms.

vii. Contrasting Colour Scheme:

The right contrast between the background of the website and content is one of the most basic yet most important web design principles overlooked. Good contrast between background and text.

With the increasing impact of ICT on higher education, the library has adopted ICT tools for the effective library services. The library is computerized with Koha library management software. The in house activities of the university library are computerized with KOHA library management system. The bibliographic data of the university library holdings and its constituent college libraries holding is hosted on a central cloud server. With the installation of RFID, the library has moved one more step towards modern library.

The university library has made available the facility of Web OPAC by 24 X 7 to its stake holders. With the help of Web OPAC the library users can search the availability of the books at their fingertips. The bibliographic data of the university library and its constituent college libraries is also available on the ICAR- IDEAL (Indian Digital Ensemble of Agricultural Libraries). The development of the user friendly library mobile app is in final stage.

6.6.1.8 Interdepartmental Linkages

VNMKV established the strong interdepartmental linkages. Some are elaborated below. A public corporation Maharashtra State Seed Corporation Ltd. Mahabeej, Akola in cooperation and collaboration with Cotton Specialist is producing Bt. cotton variety NHH-44 (from VNMKV, Parbhani) seed production for distribution to farmers in Maharashtra state. This is first attempt in public sector in India.

PI Industries Ltd. Gurgaon, a private company conducted research cum demonstration trial on PB rope to control pink boll worm population in Bt. cotton during 2016 and 2017 *kharif* seasons on an area of 20 ha of university farm.

Agricultural Technology Information Centre (ATIC) and Regional Agriculture Extension Education Centre (RAEEC), Directorate of Extension Education, VNMKV, Parbhani office is adopting participatory, adaptive and multifarious demand supply side extension approach involving public, private in extension programmes and strengthening capacity of farmers and extension workers. For this purpose, Agricultural Technology Information Centre, VNMKV, Parbhani is having linkages with public sectors like State Agriculture Department, Krishi Vigyan Kendras, Agricultural Technology Management Agency and Zilha Parishad Agriculture Department and private sectors like Reliance foundation, NGOs and Farmer Producer Companies.

The university is adopting decentralized, participatory, adaptive and multifarious extension research – academics approach through various schemes and MoU with the institutes of repute.

VNMKV Parbhani is implementing agency of tribal sub plan with the title “Demonstration of different need based agricultural interventions for enhancing the crop productivity on tribal farmers’ field. The TSP is implemented by the university through various research stations across the university viz., irrigation water management, Parbhani, cotton research Station, Nanded, Sorghum Research Station, Parbhani. The scheme was implemented during 2012-2018. Fourteen tribal villages were selected from Hingoli and Nanded districts and in all total farmers benefited were 1334. Through TSP Project various activities are run by the university which includes distribution of inputs, technologies developed by the university demonstrations, workshops and farmers mela were organized at various stations implementing the TSP.

Impact of these interventions were found significant in various ways, saving of water, protected irrigations using sprinkler and drip irrigation systems, implements such as ferti seed drill made it possible to carry out all operations during *kharif* and *rabi* seasons with little maintenance. Use of VNMKV designed implements found more efficient and effective in comparison with local ploughs and hoe. The ferti-hoe reduced labour requirement for top dressing along with its right placement. The wheel hand hoe is found user friendly for marginal and small farmers.

In all, it was observed that the package of practices for *kharif* sorghum, improved varieties of soybean and wheat along with recommended dose of fertilizers, demonstration of

Bt cotton seed on farmers' field showed the net returns of sorghum were increased by 41 per cent, cultivation of improved varieties of soybean and wheat increased the yields and socio-economic status of the farmers. VNMKV developed technologies showed the increase in yield by 16 to 22 per cent. It is worthy to say that no case of farmers' suicide was observed in the selected villages under TSP during this period.

One another demand-supply side extension research approach is adopted by the university. In order to increase the shelf life of biofertilizers to avoid contamination and easy delivery ICAR-AINP on Soil Biodiversity-Biofertilizer, university has developed technology for preparing liquid biofertilizers of *Rhizobium* (for all legumes grown in the region) *Azotobacter*, *Azospirillum*, PSB, KSB, ZnSB, separately and their consortia in user friendly packaging sizes for seed treatment through micro-irrigation system. Commercial production of liquid biofertilizers has started by the university. Awareness among the farmers was created about use of biofertilizers through direct interaction, on mobiles, radio talk, farmer mela, popular articles in local languages, folders, etc. The demand of biofertilizers is increasing day by day and farmers are using it for commercial crops like sugarcane, turmeric, cotton, citrus, pomegranate, etc.

VNMKV, Parbhani is actively involved in collaborative work on water resources with NAAM. To mitigate the drought situations as observed in last few years the university is working with private partnership like NAAM Foundation, Mumbai.

Promotion of technologies generated by the University

To promote the technologies generated training programmes were organized by the university in collaboration with state department of agriculture, ICAR-AINPSBB centre.

PPP model

University is also working on public private partnership model. In order to facilitate and promote increasing role of PPP in utilization of existing infrastructure assets a broad frame work for implementation of PPP for operation and maintenance (O and M) university initiated to commercialize the food processing technologies. PPP contract is signed with Zain Natural Agro India Pvt. Ltd., Parbhani for implementation of ELP. This leads to successful implementation of ELP programme with practical implications, demonstration of actual production, ELP become a source of inspiration for the regional entrepreneurs.

6.6.1.9 Monitoring Mechanism

The University is having comprehensive curriculum monitoring mechanism for effective education. The students on their admission are grouped into convenient batches by the Associate Dean and Principal of the College and each batch of students is assigned to a

Counsellor who is an academic staff member of that college. Counsellor help every student assigned to him in planning the programme of his studies, choice of courses and determining the course load. A Counsellor establish and foster close relationship with the students assigned to him by having periodical meetings either with the entire batch of students as also with each students separately as often as may be necessary and endeavour to know their problems and find solutions thereof, review their academic progress and suggest such remedial measures as may be necessary. Counsellor takes feedback from students regarding teaching effectiveness and completion of coursework. Further the feedback obtained is shared with the Head/Associate Dean and Principal for further needful action.

Recently on 07.10.2022 University launched the Academic Management System under NAHEP component 2 for effective, error free and smooth monitoring of education system from registration of students to delivery of degree. This scheme was started in collaboration with ICAR-IASRI, New Delhi.

The Heads of Department supervise periodically the educational activities in their respective subjects. The Head take feedback from academic staff, students and counsellors regarding on-going educational activities. The Head give necessary instructions to academic staff members for the improvement in the teaching skills. The mid-term and semester end examination papers prepared by academic staff is submitted to The Head of respective department, who take review of the paper and give instructions to the academic staff accordingly. The Associate Dean and Principal take feedback of educational activities from the IQAC and Examination Cell of the college and also by inviting frequent meetings of the Heads of Departments. The Associate Dean and Principal take review by surprise visits to various on-going educational activities. Further the review is discussed in the Board of Studies at University level and a report is submitted to the Director of Instruction and Dean (F/A) for information. The Director of Instruction and Dean (F/A) also invites meetings and takes review of the educational activities carried out by each constituent College. The evaluation and grading of each programme is through the course credit system and as per the Academic Regulations for UG and PG Programme approved by the M.C.A.E.R. Pune time to time. The Answer Books of Semester End Theory Examination are Barcoded to maintain secrecy and these are evaluated in CAP system.

Subject planning and its up-gradation are being initiated at respective department levels, discussed in the Board of Studies and faculty at the University level and submitted further to academic council of university for final approval.

6.6.1.10 Institute Quality Assurance Cell /PME Cell

The university is having well-structured and well-functioning of Planning/Prioritization, Monitoring and Evaluation Cell for research activities. The present composition of PME cell is as follows.

Table: Institute quality assurance cell

Sr. No.	Name	Designation	Position
1	Dr.D.S.Perke	Head, Dept. of Agril. Economics, VNMKV	Chairman
2	Dr.R.B.Kshirsagar	Associate Dean and Principal	Member
3	Dr.V.S.Khandare	Professor of Horticulture	Member
4	Dr.S.U.Khodke	Head, APE, College of Agril. Engg. & Tech.	Member
5	Dr.R. L. Chavan	Assistant Professor, Agril. Bio-Technology	Member
6	Dr. Veena Bhalerao	Associate Professor, College of CS	Member Secretary

The committee is responsible for identification of priority and need based areas in research. The committee is also engaged in preparation of need-based research proposal which are being submitted to in house and outsource funding. The committee review and reformulate the proposals submitted by faculty members of various colleges / research stations / KVKs, etc., according to the need of funding agencies. The committee approves the concrete research proposals and allocates appropriate resources to initiate the research activity. The committee is having well set mechanism to implement and monitor the various research activities carried out on on-farm and off-farm research stations through various research centers. All these research activities were thoroughly evaluated and its impact was analyzed during Agresco and Joint Agresco meetings. All these research activities are being well planned before the implementations and assessed in mid-term and thoroughly reviewed at the completion. The economic impact of all these research activities are being judged basically on B:C ratio criteria. In few research projects, advance economic tools like partial budgeting and economic surplus method were employed.

The committee had various meetings during last five years. In addition to this, university is having a constitutional body like ARC (Agricultural Research Council) through which prioritization of research activities was carried out and thorough review of completed research project was done in Agricultural Research Sub-Committee (Agresco) and Joint Agresco meeting. The meeting details were as under.

Table: Institute quality assurance cell meetings details

Sr. No.	Disciplines	2018-19	2019-20	2020-21	2021-22	2022-23
1	Food Technology / AHDS	09.04.2018	29.03.2019	04.09.2020	21.09.2021	11.04.2023
2	Community Science / Social Science (Agril. Economics/ Agri. Extension)	10.04.2018 to 11.04.2022	25.03.2019 to 26.03.2019	01.09.2020 to 02.09.2020	20.09.2021 & 23.09.2021	10.04.2023 & 20.04.2023
3	Horticulture	06.04.2018	27.03.2019	03.09.2020	22.09.2021	13.04.2023
4	Food and Cash Crops 1 Agril. Botany/Agronomy	02.04.2018 to 03.04.2018	02.04.2019 to 03.04.2019	08.09.2020	27.09.2021	18.04.2023 & 19.04.2023
5	Agril. Engineering	07.04.2018	28.03.2019	03.09.2020	22.09.2021	12.04.2023
6	Food and Cash Crops 2 Agronomy/SSAC	04.04.2018 To 05.04.2018	30.03.2019 to 01.04.2019	07.09.2020	24.09.2021	17.04.2023
7	Research Finding Release Committee	25.04.2018	10.04.2019	15.09.2020	30.09.2021	25.04.2023

6.6.1.11 Collaboration with Academic Institutions and Industry

The University is working for education, research and extension in collaboration with government institutes, corporate sector, private institute, companies, NGOs and Farmers Self Help Groups for betterment of farmers. The technologies generated by the university are brought collaboratively to farmers field which helps to improve the productivity and profitability.



MoU with Kansas State University, USA (Feb. 2023)



MoU with University of Florida, USA (Feb. 2023)

Table: MoUs between VNMKV, Parbhani and other institutions/ companies for collaborative work (2018 - 2022)

Sr. No	Year of signing MoU	With whom signed	Subject of MoU
1	2018	International Crop Research Institute for Semi-arid Tropics (ICRISAT), Hyderabad	Harvest Plus Project “Partnership based genetic enhancement of pearl millet for high grain iron density for improved human nutrition in India”
2	2018	IMD, New Delhi	Gramin Krishi Mausam Sewa (GKMS)
3	2018	International Crop Research Institute for Semi-arid Tropics (ICRISAT), Hyderabad	Delivering more produce and income to farmers through enhancing genetic gains for chickpea & Pigeonpea
4	2018	International Crop Research Institute for Semi-arid Tropics (ICRISAT), Hyderabad	Harvest plus Project on identification of micro nutrients – Dense Sorghum for better health in Western & Central Africa & India
5	2018	India Meteorological Department, New Delhi	Preparation & dissemination of agromet advisory bulletin for eight districts of Marathwada region under Gramin Krishi Mausam Sewa (GKMS) Project
6	2018	Watershed Organisation Trust, Pune	Agro Meteorological project at Jalna
7	2018	Maharashtra State Seeds Corporation Ltd. (MSSC Ltd.) Akola	For popularization and seed production of pearl millet variety ABPC 4-3 and AHB-1200 Fe
8	2019	International Crop Research Institute for Semi-arid Tropics (ICRISAT), Hyderabad	Project “Genetically enhanced micronutrient dense Pearl Millet for improved human nutrition under Harvest Plus # 5310.”

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9	2019	M/s. Odtin Food Solutions Pvt. Ltd., Ujjain (MP)	Manufacture of Multigrain Puffing cum Popping Machine
10	2019	ICAR-Central Research Institute for Dryland Agriculture (CRIDA), Hyderabad and M/s. Rohit Krishi Industries Pvt. Ltd., Pune	Five row BBF Planter cum herbicide applicator (Four in one) Planter
11	2019	International Crop Research Institute for Semi-arid Tropics (ICRISAT), Hyderabad	Delivering more produce and Income to farmers through enhancing genetic gains for Pigeonpea
12	2020	ICAR- National Institute of Abiotic Stress Management, Baramati, Pune	Students Training and Post Graduate Research
13	2020	Maharashtra State Seeds Corporation Ltd. (Mahabeej) Akola	For popularization and seed production of pearl millet variety ABPC 4-3, AHB-1200 Fe and AHB- 1269.
14	2020	Shri Guru Gobind Singhji Institute of Engineering and Technology, Vishnupuri, Nanded (MS)	Scientific cooperation and collaborative research
15	2020	Maharashtra State Seeds Corporation Ltd. (Mahabeej) Akola	Conversion of newly released cotton hybrids (NHH 250 and NHH 715) into Bollgard II version and its commercialization and promotion.
16	2020	International Crop Research Institute for Semi-arid Tropics (ICRISAT), Hyderabad	Partnership based Genetic enhancement of Pearl Millet for high grain iron density for improved human nutrition in India.
17	2020	Swami Agro Implements, Lasona Dist. Osmanabad	VNMKV Bullock drawn solar operated sprayer, Bullock operated three tyne ferti hoe with furrow opener/ without furrow opener, Bullock operated stubble collector, Bullock drawn mulch laying machine
18	2020	Agrotech agro Producer Company Limited, Khandapur Dist. Latur.	Large scale seed production of Linseed Variety: LSL-93
19	2020	Nanaji Deshmukh Krushi Sanjivani Programme (PoCRA), Mumbai	Research study on determination of Crop Coefficient for Major crops by Lysimetric Studies
20	2020	International Crop Research Institute for Semi-arid Tropics (ICRISAT), Hyderabad	Multilocation Testing of Sorghum and Pigeonpea
21	2020	The Registrar, University of Horticultural science, Udyanagiri, Navanagar, Bagalkot – 587104, Karnatak.	For conducting the P.G. and Ph.D. Research work

22	2020	Indian Institute of Technology Kharagpur	<p>The following areas of cooperation have been identified under this agreement</p> <ol style="list-style-type: none"> 1. Faculty development Programme 2. Student exchange program 3. Joint research projects 4.Coordinated graduate degree Programme 5.Joint academic activities and event
23	2020	Indian Institute of Technology Bombay	<p>Through this MOU, both parties agree to following points:</p> <ol style="list-style-type: none"> 1.The researcher faculty members will work together and act as student advisory members in thematic research and extension programs 2. Under student internship exchange program, students of both parties can do their internship work. 3. Under the faculty exchange program both the parties will make their mutual concern for participating activities and its completion. 4. Faculty members can work as a visiting faculty/adjunct faculty by mutual exchange as per departmental and institute norms.
24	2020	Swaraj Engineering, Aurangabad	<p>The following areas of cooperation have been identified under this agreement</p> <ol style="list-style-type: none"> 1. Both parties will explore way to offer internship to students in industry 2. Industry will provide valuable inputs to NAHEP – CAAST – VNMKV - DFSRDA Centre, PARBHANI to enhance teaching methodology and suitably modified it to cater to the employability need of the students.
25	2021	Aryaion Electric Vehicle Pvt. Ltd, Pune	<p>The following areas of cooperation have been identified under this agreement –</p> <p>Industry will share the latest trends of the concerned field with NAHEP-CAAST- VNMKV-DFSRDA Centre, PARBHANI to help in upgrading the knowledge of NAHEP Staff, Core Team Faculty members and PG/Ph.D. students, in order to upgrade skills & improve employability.</p>
26	2021	ICAR-National Research Centre on Pomegranate, Solapur	<p>Institutional / students PG and Ph.D research and training</p>

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27	2021	Maharashtra State Seeds Corporation Ltd. (MSSC Ltd) Akola.	For popularization and seed production of pearl millet variety ABPC 4-3, AHB-1200 Fe and AHB- 1269.
28	2021	ICAR-Indian Institute of Oilseeds Research, Hyderabad	Institutional / students PG and Ph.D. research and training
29	2021	Inventive Solutions, Nasik	Manufacturing of solar equipments
30	2021	Krishi Vigyan Kendra, Baramati (State Level Technical Institute) PMFME, Baramati	Mutual Technology Transfer for successful Incubation Centre, PMFME
31	2021	Department of Biotechnology (DBT), Govt. of India	Implementation of DBT supported M.Sc. Agricultural Biotechnology Program
32	2021	Indira Gandhi Agricultural University, Raipur (CG)	For obtaining linseed germplasm lines for research purpose
33	2021	ICAR- Directorate of Floricultural Research, Pune	For conducting the P.G. and Ph.D. Research work
34	2021	ICAR- National Research Center for Grape, Pune	For conducting the P.G. and Ph.D. Research work
35	2021	National Remote Sensing center ISRO, Department of Space, Govt. Of India, Balanagar, Hyderabad	Monitoring & investigations on lightening phenomena and its associated process using lightening detection systems (LDS) at collaborating institutes
36	2021	Universitat Politècnica de València, Spain	Collaborative research work of PG and Ph.D. students.
37	2021	Washington State University, USA	For conducting the P.G. and Ph.D. Research work
38	2021	Belarusian State University of Informatics and Radioelectronics, Minsk, Belarus	For conducting the P.G. and Ph.D. Research work
39	2021	CSMSS college, Aurangabad	For conducting the P.G. and Ph.D. Research work
40	2021	Aryaion Electric Vehicle Pvt Ltd, Pune	For manufacturing of AGVs, and digital farming solutions
41	2021	Vishwadeep Agro Research and Development Center, Palam	For manufacturing of AGVs, and digital farming solutions
42	2021	Green Robot Machinery Pvt. Ltd, Bangalore	For manufacturing of AGVs, and digital farming solutions
43	2021	ASAP Agritech LLP, Nashik	For manufacturing of AGVs, and digital farming solutions

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44	2021	Swaraj Engineering, Aurangabad	For manufacturing of AGVs, and digital farming solutions
45	2021	Saron Digatech, Hyderabad	For manufacturing of AGVs, and digital farming solutions
46	2022	Aquatic Remedies , Mumbai	For development of electronic instruments for enhancing seed germination of soybean
47	2022	ICAR- Indian Institute of Sugarcane Research (IISR) , Lucknow (UP)	To promote long term sugarcane research
48	2022	Shri Shivaji Institute of Engineering and Management Studies, Parbhani	The following areas of cooperation have been identified under this agreement: 1.Industrial Training & Visits 2.Guest lectures 3.Placement of Trained students
	2023	ICAR-Central Institute for Cotton (CIRCOT), Mumbai	Mechanisation in cotton, value addition, post harvest techniques and artificial intelligence (AI)
	2023	ICAR-NBSS&LUP, Nagpur	For conducting the P.G. and Ph.D. Research work
	2023	Durga Agro Works, Daryapur, Dist. Amravati	Manufacturing of small farm machineries
	2023	Sushil Model and Scientific Works, Ambala Cantt.	Manufacturing of electrically operated roaster
	2023	AgMatrix Consultancy PVT. LTD Pune, MH NAHEP	The following points have been identified under this agreement 1.Providing/coordinating Academic/ Technical and soft skills training services to the staff and students 2.Avail the infrastructure facilities to conduct seminar and workshops 3.Assist each other in event management 4.Collaborate and supplement utilization of resource and facilities
54	2023	Vishwadeep Agro Research and Development Center, Parbhani	The following areas of cooperation have been identified under this agreement - 1.Both parties will explore way to offer internship to students in industry 2. Industry will share the latest trends of concerned field with NAHEP to help in upgrade the knowledge of nahep staff, Core team members and PG/Ph.D. students.

55	2023	University of Florida, USA	Through this MOU, both parties agree to following points: 1.Discussion of potential collaborative research 2.Opportunities for faculty and staff development and exchange 3.Opportunities for student development and exchange 4. Exchange of academic publications and reports. 5.Sharing experience in innovative teaching methods and course design 6. Organization of joint symposia, workshops and conference.
56	2023	Kansas State University, USA	The two institutions agree to following general areas of interest and cooperation: 1. The exchange of scholars and scientists to conduct research of mutual interest. 2. The exchange of professors for lectures and short term visits. 3. Invitation to scholars for participation in conference, symposia and instruction. 4. Exchange of information, academic materials and publications in field of mutual interest.
57	2023	Reliance Foundation, Mumbai	Transfer of technology
58	2023	Paani Foundation	For providing knowledge on crop production technology

A collaborative research programme is implemented through student research where an advantage of expertise available in another research station/ scheme is taken. With an objective of getting the benefits of the expertise and sophisticated facility of other state/ National institute for full-fledged academic development of the students, this institute has built up strong technical symbiotic linkages with various institutes. The university has linkages with national institutes and private organizations for collaborative programme in education, research and extension education as given below.

Table: Technical symbiotic linkages with various institutes

S. No.	Institute	Purpose
1	ICRISAT, Patancheru, Hyderabad	Research
2	ICAR, New Delhi	Research
3	National Centre for IPM, New Delhi	Research
4	Directorate of Seed Research , New Delhi	Research
5	Bhabha Atomic Research Centre, Mumbai	Research
6	National Chemical Laboratories, Pune	Research
7	Ministry of water resources, New Delhi	Research
8	Central Institute of Cotton Research, Nagpur	Research
9	CRIDA, Hyderabad	Research
10	NBPGR, New Delhi	Research
11	DBT, New Delhi	Research
12	ISRO, Bangalore	Research
13	IIHR, Bangalore	Research
14	CCMB, Hyderabad	Research
15	CIRCOT, Mumbai	Research
16	NHB, New Delhi	Research
17	BIAF, Ahmadabad	Research
18	NRC, Nagpur	Research
19	Institute of Chemical Technology, Mumbai	Research
20	Dept of Science and Technology	Extension
21	NARM, Hyderabad Education &	Education and Extension
22	IICPT, Thanjavur	Education
23	CFTRI, Mysore	Lab. facility
24	Defense Food Research Laboratory, Mysore.	Research
25	MANAGE, Hyderabad	Education
26	NIPHM, Hyderabad	Duel Degree Programme

University has some more proposals for future collaborations with institutes and private companies and details with further road map.

The technologies and varieties developed by university are to be demonstrated on farmers field for upliftment of farmers. The university has some more proposals for future collaboration with institute and private companies. The details are as follows:

Table: Future collaboration plan

Year	Name of Institute/ Company	Purpose	Remarks
2023	VNMKV and MAHYCO seeds	Pigeon pea, Sunflower, Bajra, Mango and Sweet Orange	To develop the skilled human resource
2023	VNMKV and Adrise India Pvt. Ltd.	To develop the farmer friendly mobile app	Simple and Scientific mobile app will create the new app opportunities
2023	VNMKV and GIZ Germany	Crop production with solar energy generation	Solar energy generation with AgriPV technology and crop production
2023	VNMKV and Forest Department	Tree plantation	Green initiative for better environment
2023	VNMKV and Global Vikas Trust's, Global Parli, Mumbai	For the larger interest of the farmers, students and community development	Community development of university stakeholders.

6.6.2 Academic Support

6.6.2.1 Academic Council

On the Academic front, the university has constituted Academic Council as per Maharashtra Agricultural Universities (Krishi Vidyapeeth) Act 1983, Section 33 and Maharashtra Agricultural Universities (Krishi Vidyapeeth) Statutes, 1990, Statute No. 4. The Academic Council is chaired by the Hon. Vice Chancellor and Registrar is the Ex-Officio Secretary of AC. The Academic Council meetings held regularly to address the various academic issues and resolutions.

The composition of Academic Council is presented in the following table.

Table: Composition of Academic Council

S.N.	Members	Designation	Tenure
1	Hon. Vice-Chancellor	Ex-Officio Chairman	Five years
2	Director of Instruction	Member	Five years
3	Director of Research	Member	Five years
4	Director of Extension Education	Member	Five years
5	Student Welfare Officer	Member	Five years
6	Deans and Faculties	Members	Five years
7	Associate Deans	Members	Five years
8	Principals of affiliated and recognized institutions	Members	Five years
9	The Heads of Departments of Faculties	Members	Five years
10	The Chief Research Officers of the Research Stations	Members	Five years
11	The Chief Extension Education Officer	Member	Five years
12	Registrar	Ex-Officio-Secretary	Five years
13	One representative from each faculty	Member	Three years
14	Four Co-opt (appointed by Hon. Vice-Chancellor)	Members	Two years

6.6.2.1.1 Details of Academic Council Meetings held in the last five years along with ATRs :

The details of Academic Council meetings held during 1 January 2018 to 31 March 2023 along with ATR are given in the following table.

Table: Details of Academic Council Meetings

Sr. No.	Academic year	Date of Academic Council Meeting	Meeting Number	Number of Academic issues discussed	ATR
1	2018-19	21-08-2018	101	24	Available with Registrar office, VNMKV, Parbhani for ready reference
		05-12-2018	102	18	
2	2019-20	27-05-2019	103	22	
		11-07-2019	104	08	
		16-12-2019	105	26	
3	2020-21	22-06-2020	106	35	
		04-09-2020	107	17	
		11-12-2020	108	12	
		19-02-2021	109	21	
4	2021-22	17-05-2021	110	15	
		13-10-2021	111	25	
		03-02-2022	112	35	
5	2022-23	08-04-2022	113	09	
		17-08-2022	114	17	
		31/01/2023	115	35	

6.6.2.1.2 Important decisions of the Academic Council

The important decisions taken by the Academic Council during last five years are presented as under –

Table: Important decisions of Academic Council Meetings

S. N.	Important decisions of the Academic Council	ATR	
2018-19			
01	To change the nomenclature of the departments of the College of Community Science. (Subject No. 05)	The nomenclature of the departments has been changed.	Academic Council Meeting No. 101, dated 21.08.2018
02	To issue the degree as MBA (Agricultural Business Management) instead of MBA (Agriculture). (Subject No. 11)	The Academic Council sanctioned the decision.	
03	To decide the educational qualification criteria for the teaching category in the discipline of Food Technology. (Subject No. 12)	The Academic Council and Executive Council approved the decision. The report has been submitted to MCEAR for approval.	
04	Permission to insert Electronic Micro Chip in the degree; post graduate degree and Ph.D. degree certificates. (Subject No. 21)	The Academic Council and Executive Council approved the decision.	

2019-20				
05	To modify the rules and regulations for the degree education. (Subject No. 03)	The Academic Council approved the decision and submitted to the Executive Council for approval.	Academic Council Meeting No. 103, dated 27.05.2019	
06	To approve the draft of the Anti plagiarism policy for submission of the thesis and other academic writing. (Subject No. 14)	The Academic Council approved the draft of the policy and the university has implemented the policy.		
07	To increase the intake capacity of the M.Tech students in the discipline of the Agricultural Engineering and Technology. (Subject No. 20)	The Academic Council approved the decision.		
08	To Purchase new software for the preparation of results of the Diploma, Degree and P.G. programme in the different disciplines of the university. (Subject No. 06)	The software has been purchased by the university.		
09	To approve the first amendment in the anti plagiarism policy for P.G. and Ph.D. thesis. (Subject No. 07)	The University has approved the first amendment for the Anti Plagiarism Policy.		
10	To approve the Performance Based Appraisal System format for the Assistant Librarian / Deputy Librarian. (Subject No. 08)	The University has approved the Performance Based Appraisal System format for the Assistant Librarian / Deputy Librarian.		
11	To change the nomenclature of the Ph.D degree in the Horticulture discipline as Ph.D (Agriculture) Horticulture, Ph.D (Agriculture) Horticulture (Fruit Science), Ph.D (Agriculture) Horticulture (Vegetable), Ph.D (Agriculture) Horticulture, (Floriculture and Landscape Architecture). (Subject No. 23)	The University has implemented the new nomenclature system for the Ph.D degree in the discipline of Horticulture.		
12	B.Tech (Biotechnology) degree should be considered equivalent to B.Sc (Agriculture) degree. (Subject No. 26)	The decision of the Academic council has been implemented.		
2020-21				
13	Equal Intake capacity for the B.Sc. (Agriculture) degree among the constituent colleges of the University. (Subject No. 20)	The University has implemented the decision from the Academic year 2023-24.		Academic Council Meeting No. 106, dated 22.06.2020
14	The Academic Council approved the following decisions of the DICC meeting - i. Approval to revised B.Sc. (Hons.)	The Academic Council and Executive Council approved the decision. The same is implemented		

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	<p>Agricultural Business Management Degree Programme syllabus to implement from the Academic Year 2020-21.</p> <p>ii. Approval to the Students READY programme of VII and VIII semester of Agricultural Business Management Degree Programme as per Fifth Dean's Committee from the Academic Year 2020-21. (Subject No. 21)</p>	<p>at Agricultural Business Management Degree college.</p>	
15	<p>To implement of the Model Course Curriculum, Department of Biotechnology, New Delhi, Government of India for the Post Graduate Biotechnology Course since Academic Year 2020-21. (Subject No. 28)</p>	<p>The Model Course Curriculum has been implemented from the Academic year 2022-23.</p>	
16	<p>To approve the draft of Thesis Standards. (Subject No. 12)</p>	<p>The draft has been approved and implemented.</p>	<p>Academic Council Meeting No. 107, dated 04.09.2020</p>
17	<p>To start Ph.D Course in the discipline of the Agricultural Meteorology at College of Agriculture, Parbhani. (Subject No. 15)</p>	<p>Ph.D Course in the discipline of the Agricultural Meteorology at College of Agriculture, Parbhani has been started</p>	
18	<p>Creation of the four new departments for B.Tech (Biotechnology) degree as per Fifth Dean Committee. (Subject No. 06)</p>	<p>The Plant Biotechnology, Animal Biotechnology, Microbial and Environmental Biotechnology and Bioinformatics departments has been started since Academic Year 2022-23 at College of Agricultural Biotechnology, Latur.</p>	<p>Academic Council Meeting No. 108, dated 11.12.2020</p>
19	<p>Approval for the implementation of the National Agricultural Higher education Project of worth Rs. 17.87 Cores entitled Center of Excellence for Digital Farming Solutions for Enhancing Productivity by Robots, Drones and AGVs for 2019-2022. (Subject No. 07)</p>	<p>The Center of Excellence for Digital Farming Solutions for Enhancing Productivity by Robots, Drones and AGVs is established at VNMKV Campus.</p>	
20	<p>To adopt the draft of Thesis Standards to maintain uniformity in the structure and style of PG and Ph.D. Thesis. (Subject No. 18)</p>	<p>The Thesis Standards are implemented for PG and PhD Thesis writing.</p>	

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2021-22			
21	To change the intake capacity of PhD degree in the discipline of Agricultural Engineering and Technology. (Subject No. 15)	The decision is implemented as per discussions in the meeting.	Academic Council Meeting No. 110, dated 17.05.2021
22	To implement new Grade System to calculate CGPA (Cumulative Grade Point Average) from the Academic Year 2020-21. (Subject No. 7 and 9)	The decision is implemented as per discussions in the meeting.	Academic Council Meeting No. 111, dated 13.10.2021
23	To create the post of Associate Professor and Assistant Professor Veterinary Science from the category of Associate Professor and Assistant Professor Animal Husbandry and Dairy Science as per the recommendations of the Animal Husbandry and Dairy Science Board of Studies. (Subject No. 06)	The Academic Council approved the decision.	Academic Council Meeting No. 112, dated 03.02.2022
24	To sanction the draft of Memorandum of Understanding between Parbhani Astronomical Society and Vasant Rao Naik Marathwada Krishi Vidyapeeth for the construction of the Science Complex at university campus. (Subject No. 13)	The Academic Council sanctioned the draft of MoU.	
25	To create new three separate departments as Genetics and Plant Breeding, Seed Science Technology and Plant Physiology from the discipline of Agricultural Botany as per directives of the ICAR, New Delhi and the decision of Maharashtra Council of Agricultural Research, Pune dated 27/09/2021. (Subject No. 26)	The proposal has been approved by the Academic Council and Executive Council and submitted to the MCEAR, Pune for approval.	
26	To issue the equivalence certificate to the Home Science students that B.Sc (Hons.) Community Science is equivalent to B.Sc (Home Science). (Subject No. 31)	The Academic Council approved the decision.	
27	To change the nomenclature of the M.Sc. (Hort) Floriculture and Landscaping as M.Sc. (Hort) Floriculture and Landscape Architecture. (Subject No. 33)	The University has implemented the new nomenclature system Floriculture and Landscaping as M.Sc. (Hort.) Floriculture and Landscape Architecture	

2022-23			
28	To develop Common Incubation Center at College of Food Technology, Parbhani from PMFME (Pradhan Mantri Formalisation of Micro Food Processing Enterprise Scheme). (Subject No. 08)	The Academic Council approved the decision.	Academic Council Meeting No. 113, dated 08.04.2022
29	To include Agro Tourism in degree course as ELP Module Structure and Syllabus or Elective Syllabus. (Subject No. 03)	The Academic Council approved the decision and also decided to start six months Certificate Course in Agro Tourism at university. The proposal has been submitted to the Executive Council for approval.	Academic Council Meeting No. 115, dated 31.01.2023
30	To change the criteria for the approval of new Agricultural Business Management Colleges. (Subject No. 04)	The Academic Council approved the decision and submitted to the Executive Council for approval.	
31	To start new Government Aided Sericulture College at Sillod. (Subject No. 07)	The Academic Council approved the decision and submitted to the Executive Council for approval.	
32	To start new Government Aided College of Agriculture at Nanded. (Subject No. 09)	The Academic Council approved the decision and submitted to the MCAER, Pune for approval.	
33	To strengthen the basic infrastructural facilities of the Vilasrao Deshmukh College of Agriculture Bio Technology, Latur. (Subject No. 13)	The Academic Council approved the decision and submitted to the Executive Council for approval.	
34	To change the nomenclature of the Department of Soil Science and Agricultural Chemistry and Agricultural Entomology as per the directives of the ICAR-NCG-BSMA. (Subject No. 21 and 23)	The Academic Council approved the decision and submitted to the Executive Council for approval.	
35	To start new Government Aided College of Agriculture at Aurangabad. (Subject No. 26)	The Academic Council approved the decision and submitted to the Executive Council for approval.	
36	To fill the posts of the Assistant and Associate Professor at Vilasrao Deshmukh College of Agriculture Bio Technology, Latur as per Fifth Dean Committee recommendations. (Subject No. 32)	The Academic Council approved the decision and submitted to the Executive Council for approval.	

6.6.2.2 Innovation and Best Practices

6.6.2.2.1 Innovations

1. Incorporation of experiential learning opportunities into the curriculum:

The Students READY programme, the Rural Awareness Works Experience (RAWE) and Experiential Learning programmes are implemented for the last year students of B.Sc. (Hons.) Agriculture. During RAWE programme students are attached to various Agro-Industries and Agricultural Institutions to help students to connect the dots between theory and practice deepen their understanding of course material and to develop valuable skills that are relevant to their future careers. These programs are useful to build confidence among the agricultural graduates for establishing self employment avenues or for securing employment in various public or private sector organisations.

2. Project-based learning:

The PG students are given research works on the actual field problems that allow them to apply their knowledge and skills in a practical way. This approach can foster creativity, critical thinking, and collaboration, and can help students see the relevance of their education to their future goals. Also the students are encouraged to participate in the various training programs related to the recent trends in agriculture and allied sciences.



M.Tech student completed project on “Performance evaluation of spraying drone for different cropping system”

3. Implementation of a mentorship programme:

The motivational lectures of experienced professionals are regularly organized to offer students the opportunity to receive guidance and support as they navigate their academic and career paths, while also fostering strong connections between the institution and industry leaders. Additionally, it could provide a valuable networking opportunity for both students and mentors, potentially leading to internships or job opportunities after graduation. The illumine meet is also organized to build a network of successful illumine who are invested in the school's success.

4. Involvement of Industry Expert in Curriculum design :

The critical suggestions in the curriculum and content designing can be done by industry representatives. This can be achieved through appointing industry experts as members of BoS of faculties or Executive Council, and invitee member in Academic Council of the University.

5. Deputation of the students at National and International Institutions :

Students from the university and the constituent colleges are deputed for trainings at various academic institutions having National and International importance. The students also obtained training in the institutions that are located abroad India. This kind of training programs is useful for the Personality development of the students. Students get acquainted with the recent trends in their area with such kind of training programs.



Picture: Students participated in one month “Capacity Building Training Workshop and Study Visit for Digital Farming Solutions” at Asian Institute of Technology, Pathum Thani (Thailand)



Students participated in two week “Data – Driven Agriculture: Tools and Techniques” at IIT Bombay, Mumbai

6. E- Governance in Education:

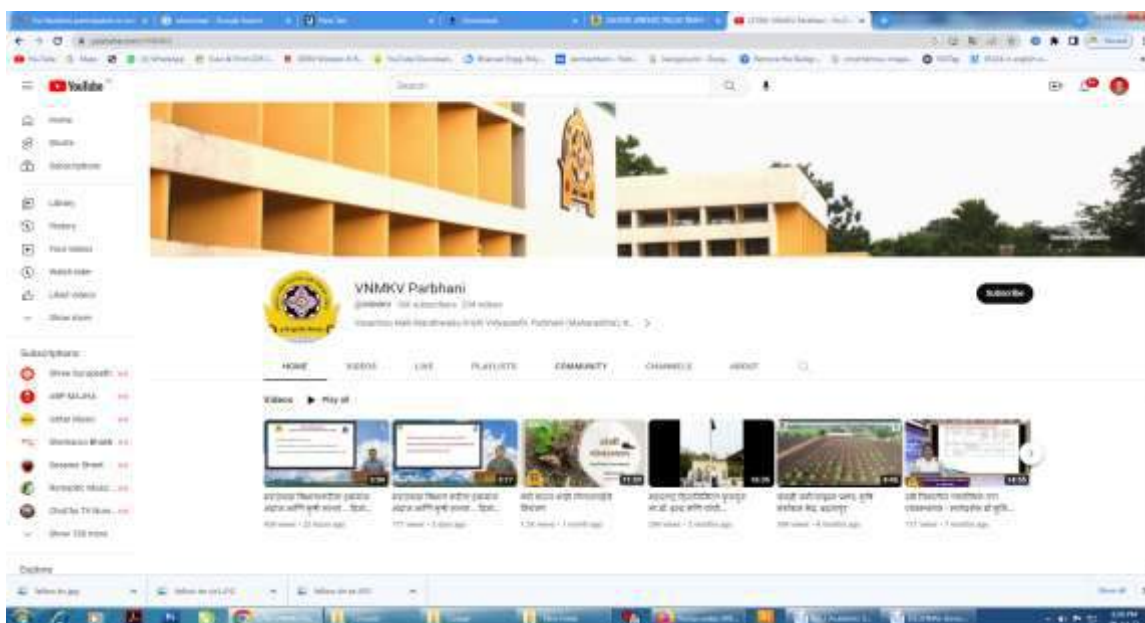
The University is effectively implemented ICT at various stages in education i.e. from enrolment to a course to obtain leaving transfer certificate from the University. Online fees collection mechanism was started by The Comptroller office of the University in collaboration with SBI since last two years. Presently all the constituent colleges under the VNMKV, Parbhani are rigorously using this mechanism and all types of transaction of the students are made completely online, such as educational and disbursement of scholarship directly on the account of the students. In the pandemic situation of Covid- 19 the university has smoothly and successfully conducted online classes and examinations of the students.

7. Effective use of ICT and Social Media Platforms for extension and outreach activities:

The university has its own authentic website and social sites such as blog, Facebook, twitter, YouTube, etc. accounts. The social media platforms of the university are proven very effective in imparting latest agricultural knowledge among the farmer community. The *Kharif* Krushi Melava, Mahila Shetkari Melava and *Rabbi* Krushi Melava were successfully organized in online mode. The agricultural scientist of the university broadcasts the latest information time to time regarding cultivation of crop, diseases of the crops etc. through authentic YouTube channel.

Table: Details of institution website and social media platforms

S.N.	Particulars	Destination / URL
01	University Website	http://vnmkv.ac.in
02	PRO Blog	https://promkvparbhani.blogspot.com
03	University Face book page	https://www.facebook.com/VNMKV
04	University Twitter Account	https://twitter.com/VNMKV
05	University YouTube Channel	https://www.youtube.com/VNMKV
06	Community Science Blog	http://communityscienceparbhani.blogspot.com/



VNMKV YouTube Channel

In the pandemic situation of Covid- 19 the university through its authentic YouTube channel has organized online training programs and for its stakeholders. The details of online training programs organized by the VNMKV are presented in the following table.

Table: Details of the online training programs organized

S.N.	Particulars	No. of Training Programs organized	No. of Beneficiaries
01	Director of Research	41	8910
02	Director of Extension Education	1137	48669
03	NAHEP	52	11338
Total		1230	68917

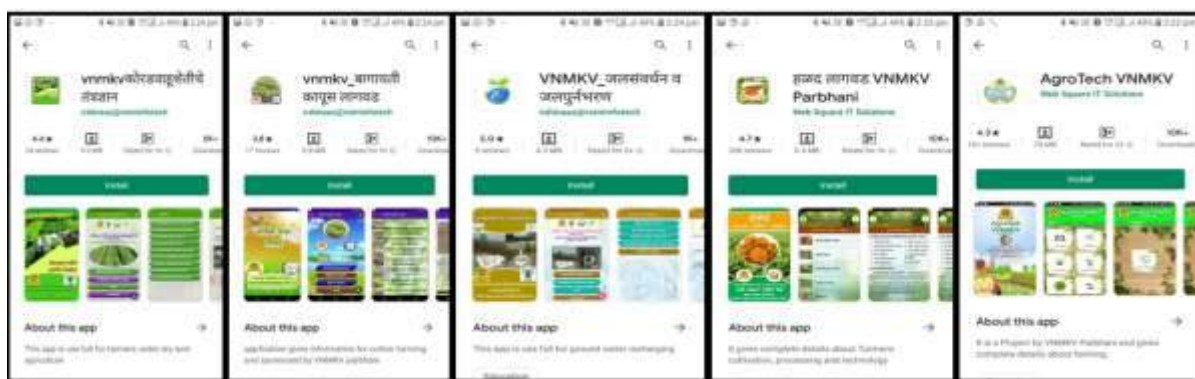
8. Thesis Standards:

The university has developed thesis standards which are proven useful to maintain uniformity in thesis writing pattern. The thesis standards follows internationally recognized citation style i.e. APA style Manual.

6.6.2.2.2 Best Practices

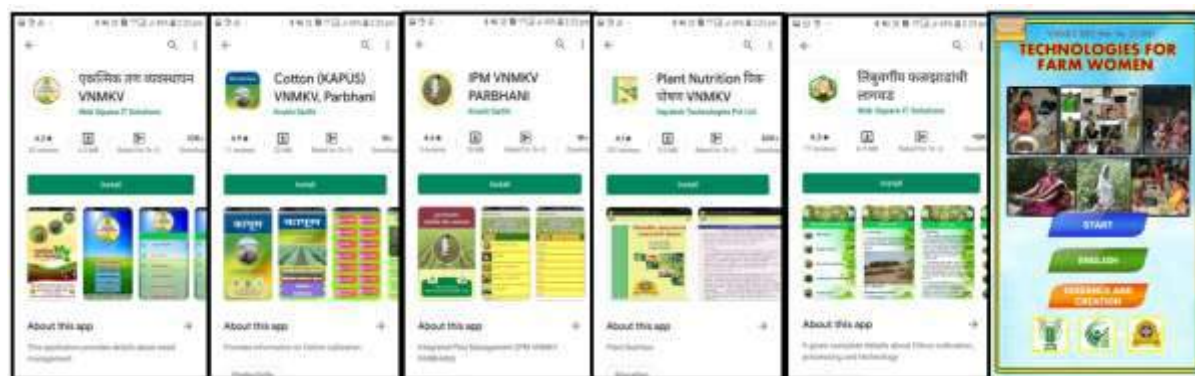
1. Title of Practise: Agricultural information at finger tips.

The context that required the initiation of the Practise: The jurisdiction of the university is spread in the eight districts of the Marathwada. The cropping pattern of the Marathwada region varies from district to district. In such circumstances it is not possible for farmers to visit frequently to the University for solving their problems. Hence the university decided to develop farmer friendly mobile apps which will deliver the all latest information of the specific crop.



Objective of the Practise: To provide up to date information of the crops from its cultivation to harvesting at finger tips of the farmer.

The Practise: The University has developed total eleven mobile apps for the farmer community.



Impact of the Practise: The farmers are getting acquainted with the latest and updated information of the crop from cultivation to harvesting and drudgery management, family empowerment technologies for farm women.

Table: Mobile Apps developed by VNMKV

S. N.	Name of the mobile app	Date of release	Tentative number of download
1	Plant Nutrition (<i>Pik Poshan</i>)	29.03.2016	More than 50,000
2	Turmeric cultivation (<i>Halad lagwad</i>)	15.05.2016	More than 10,000
3	IPM technology	08.06.2016	More than 10,000
4	Cotton Cultivation (<i>Kapus</i>)	16.06.2016	11,000 to 55,000
5	Citrus cultivation	16.09.2016	6,000 to 10,000
6	Sorghum cultivation	21.01.2017	5000 to 10000
7	Dry land agriculture (<i>Kordwahu sheti</i>)	27.05.2017	2,000 to 7,000
8	Agro Tech VNMKV	20.06.2017	20000 to 30000
9	Integrated Weed Management (IWM)	27.06.2017	1,000 to 5,000
10	Water conservation and Water recharging	28.09.2017	1000 to 5000
11	Technologies for Farm Women	15.05.2021	1000 plus

2. Title of Practise: Promotion of ethical aspects in academic writing.

The context that required the initiation of the Practise: Considering the recent trends in the area of research and academic writing , the University is abide to maintain ethics in academic writing and research carried out at Vasanttrao Naik Marathwada Krishi Vidyapeeth, Parbhani by the students , research scholars, scientists and faculty members and other academic staff .

Objective of the Practise: To avoid scientific misconduct includes plagiarism in the research work and academic writing.

The Practise: The University has developed its anti plagiarism policy as per guidelines of the University Grants Commission Regulations-2018 (*Promotion of Academic Integrity and Prevention of Plagiarism in Higher Education Institutions*). The anti plagiarism policy of the university is approved by the Academic Council of the University in its 103 meeting held on 27.05.2019. Every student have to go through plagiarism check of his/her thesis before final submission of the thesis.

Impact of the Practise: The implementation of Anti Plagiarism Policy proved helpful to inculcate the ethics of academic writing among the students, research scholars, faculty members and other academic staff working in the jurisdiction of VNMKV.

Table: Plagiarism check statistics

S.N	Year	No. of thesis checked for plagiarism
01	2020	503
02	2021	502
03	2022	570
Total		1575

6.6.2.3 Library

6.6.2.3.1 Introduction

The Central University Library of Vasant Rao Naik Marathwada Krishi Vidyapeeth, Parbhani was established in 1972 with separate state-of-the art building to fulfill the academic needs of the students, faculties and extension staff of the university. The library has become an important center for learning with its unique status with respect to collection of text books, reference books, journals, periodicals, e-Resources and databases coupled with need base collection and development. The aim of University Library is to integrate library services and practices into the teaching and learning process and to increase ability to import and facilitate knowledge acquisition, student learning and the attainment of lifelong learning skills. The University Library with its available resources is continuously trying to enhance student learning and to develop proficiency in information access, retrieval and integration.

With the increasing impact of ICT on higher education, the library has adopted ICT tools for the effective library services. The library is computerized with Koha library management software. With the installation of RFID, the library has moved one more step towards modern library. The grants received from ICAR for strengthening of library has been effectively utilized for the creation of modern facilities in the library.

“The University Library is committed to provide an easy and ready access to library resources for updating the knowledge base of the students and staff. Our endeavor is to keep the users of our library abreast of the state-of-the art inputs in respect of their discipline, so that they can face confidently challenges thrown open by 21st Century. We are streamlining our concerted efforts to build our library as an excellent center for disseminating information”.



University Library Building front view

6.6.2.3.2 General Space and Basic Facilities

The university library at VNMKV, Parbhani campus is having 03 floors (Each Floor 10.65 X 39.50 sq.mt) and total area of 1963.15 sq.mt. The library is having adequate space for the stacking purpose. Also the library consists of three general reading rooms and separate reading room for the girls with adequate furniture. The basic facilities provided by the university library to its stake holders include spacious reading rooms, computer lab for accessing internet and reprography facility at nominal charges. The library provides extended hours of reading room opening facility to its members.

The floor plan of the University Library is as per follows-

Ground Floor: Book Issue Counter, Book Stack Room, Girls Reading Room, General Reading Room, Auditorium.

Upper Ground Floor: Office, Librarian office, Computer Lab, Dr. APJ Abdul Kalam Inspiration Center, Technical Section, Reprography Unit.

First Floor: Reading Room, Reference Section, Research Cubical

Second Floor: Reading Room, Research Cubical



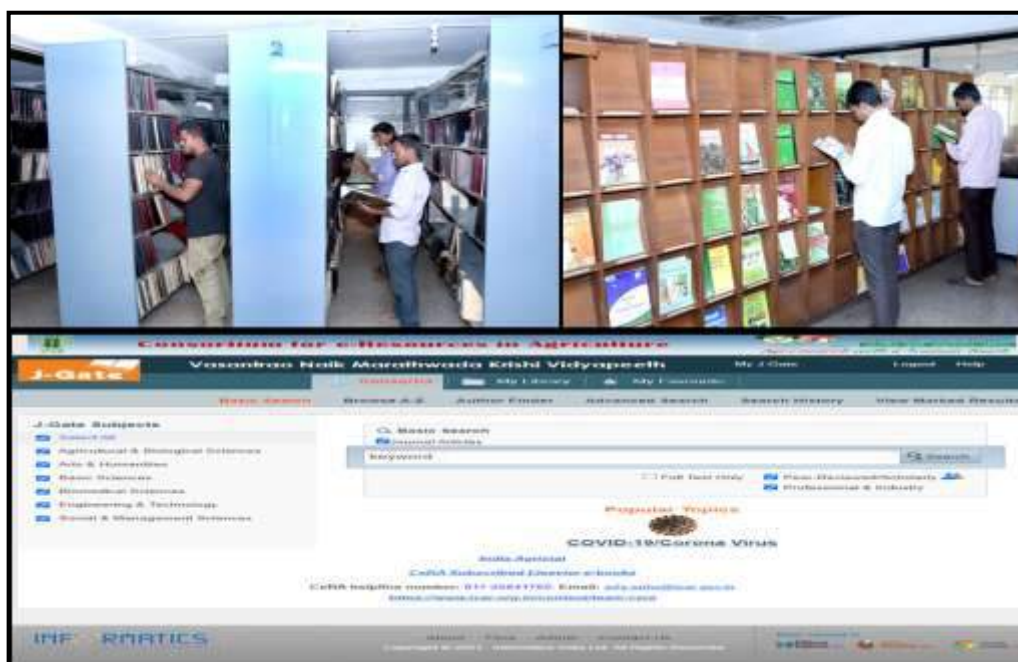
General Reading Room and Girls Reading Room

6.6.2.3.3 Learning Resources: (Text Book Availability, Subscription of Periodicals, e-Journals etc.)

The library is having a good collection of text books, periodicals and e-Resources. The University Library provides access to the e-journals and e-books available through CeRA (Consortium of e-Resources in Agriculture) platform. The quantum of the available learning resources is presented in the following table.

Table: Learning Resources

S.N.	Details	No.
01	Books	88999
02	e-Books (CeRA)	1184
03	e-Journals (CeRA)	1174
04	Bound Volume of Periodicals	27077
05	Digitized Thesis and Dissertations	8800
06	Digitized University books	127
07	Digitized University Journals	449
08	Digitized Bound Volume of Periodicals	771



Learning Resources

6.6.2.3.4 Library Automation

A) Library Computerisation

As per the directives from ICAR, the university library and the constituent college libraries are using Koha Library Management System (LMS). The in house activities of the university library are computerized with KOHA library management system. The bibliographic data of the university library holdings and its constituent college libraries holding is hosted on a central cloud server.



Web OPAC of University Library

The university library has made available the facility of Web OPAC by 24 X 7 to its stake holders. With the help of Web OPAC the library users can search the availability of the books at their fingertips. The bibliographic data of the university library and its constituent college libraries is also available on the ICAR- IDEAL (Indian Digital Ensemble of Agricultural Libraries). The development of the user friendly library mobile app is in final stage.

B) Installation of RFID system

The university library has installed RFID (Radio Frequency Identification) from the grants received from ICAR. The RFID system is proven useful for the smooth functioning of the various activities such as book lending, theft detection and to identify misplacement of the books on shelf. With the help of RFID system the students can self check out the library books. In the state of Maharashtra, VNMKV, University Library is the first library who implemented RFID system.



RFID Self- Issue / Self – Return

6.6.2.3.5 Digitization

As per the directives of ICAR, the University Library has taken the initiative of digitization and successfully digitized 8800 PG and PhD thesis submitted to the University. The digitization process is completed by the grants received from ICAR, New Delhi. The university library has digitized 9,91,640 pages including PG/Ph.D. thesis and important university publications. The entire digitized thesis has been uploaded on the Krishikosh portal of the ICAR. The important and the oldest publications of the university and the PG/PhD thesis are digitized by following the standard digitization procedure.

Table : VNMKV Thesis uploaded on Krishikosh

S.N.	Details	Number
01	M.Sc	7050
02	MVSc.	57
03	M.Tech	534
04	MBA	536
05	Ph.D.	858
Total		8754

As on 09.05.2023 the university is ranked on fourth position in uploading highest number of thesis on Krishikosh.

Table: National Scenario of digitized thesis on Krishikosh

S.N.	Details	No.
01	University of Agricultural Sciences, Bangalore	14234
02	PJTSAU, Hyderabad	8985
03	Mahatma Phule Krishi Vidyapeeth, Rahuri.	8908
04	Vasantnao Naik Marathwada Krishi Vidyapeeth, Parbhani	8754



Inauguration ceremony of the VNMKV digitization process

6.6.2.3.6 Library Advisory Committee

The activities and developments of the university library are monitored by the Library Advisory Committee which is chaired by the Hon. Vice Chancellor and consists of default members like Director of Instruction and Dean, Director of Extension Education, Director of Research, ADPs from colleges of VNMKV Campus, Registrar, Comptroller, Student Welfare Officer and Librarian. The Library Advisory Committee meets twice in a year and discuss about the development issues and adoption of the modern technology for the empowerment of the university library.

6.6.2.3.7 Library Hours

The university library provides extended hours of reading room facility to its stakeholders. With the extended hours of reading room facility number of students successfully cracked many competitive examinations.

Reading Room Timing:

Table: Library Hours

S.N.	Particulars	Timing
01	Monday to Saturday	07:30 am to 10:00 pm
02	Sunday and other Public Holidays	08:00 am to 05:00 pm

6.6.2.3.8 Award

The university library has recipient of the ICAR Best J-Gate: CeRA User Profile Registration Award in 2019. The University Library has also organized online user training program in the pandemic situation of Covid – 19. The University Library has also provided remote access of the e-Resources during the period of lockdown. The university library developed manuals on how to access e-Resources remotely during the period of Covid – 19.

6.6.2.3.9 Faculty Development Programme / Training Programmee

The university library has organized online five days level workshop on Recent Trends in Academic Writing during the period of 20 – 24 May 2020. The workshop focused on the new dimensions in the field of academic publications i.e. how to avoid plagiarism in academic writing, research ethics, practical session on Urkund : Anti Plagiarism software, use of ICT based tools for citation management, new platforms and parameters of research i.e. research gate, Krishikosh, h-index etc. The library also organized CeRA (Consortium of e-Resources in Agriculture) training programs for the faculty and students. The university library has also organized National Level Faculty Development Programme: Sowing Seeds of

Academic Support

Knowledge to Library and Informational Professionals for library professionals during 18-22 June 2020.

Table: Training Programs organized by University Library

S.N.	Title	Date	Participants
1	University level capacity building programme for library staff on library automation.	7–8 March 2019	16
2	User awareness programme on e-Resources.	3 May 2018	21
3	User awareness programme on CeRA at College of Agriculture, Parbhani.	3 September 2018	72
4	User awareness programme on CeRA at College of Community Science, Parbhani.	3 September 2018	58
5	Two days programme on KOHA : Open source LMS.	16-17 April 2018	22
6	Recent Trends in Academic Writing.	20-24 May 2020	158
7	National Level Faculty Development Programme: Sowing Seeds of Knowledge to Library and Informational Professionals for library professionals.	18-22 June 2020	167

6.6.2.3.10 Library Members

Table: Details of Library Membership

S.N.	Particulars	Timing
01	Students	3885
02	Teaching and other staff	0537
TOTAL		4422

6.6.2.3.11 Dr.APJ Abdul Kalam Inspiration Center

The university library has established Dr.APJ Abdul Kalam Inspiration Centre where students can enjoy the selected and inspirational speeches of Dr.APJ Abdul Kalam.



Dr. APJ Abdul Kalam Inspiration Centre at University Library

6.6.2.3.12 Library Services

- i. Plagiarism check assistance
- ii. Literature survey
- iii. Free internet access
- iv. Book lending
- v. Reprography
- vii. Web OPAC
- viii. Reference Service
- ix. Extended hours of reading room

6.6.2.4 Centre for Excellence / Advance Studies / Centre for Advanced Faculty Training

Name of the Centre: NAHEP- Centre of Excellence for Digital Farming Solutions for Enhancing Productivity by Robots, Drone and AGV's

Year of Establishment: 2019-20

Funding Agency: World Bank and ICAR

Objectives: The NAHEP-CAAST DFSRDA-VNMKV Parbhani centre is integrated by three interdisciplinary research divisions such as Agri-bots, Agri-Drones and Agri-AGV's based on four portfolios:

1. Climate-based Digital Knowledge Support Centre. (CDKS)
2. Seed/Seedling Processing and Nursery Automation Centre. (SSPN)
3. Smart Portable Machinery Centre. (SPM)
4. Food Processing Automation Centre. (FPA)



Drone Experiments

Outcomes:

1. Establishment of an advanced basic engineering hardware and software setup such as Mechatronics, CAD/CAM/CAE, 3-D Printers and Instrumentation Laboratories for Agribots, Agri-drones and Agri-AGVs.
2. Raised the standard of current agricultural education system that provides more jobs and is entrepreneurship oriented and on par with the global agriculture education standards. Strengthened the digital farming solutions for enhancing productivity by robots, drones, and AGV's.
3. The faculty members and students of the university obtained plenty number of trainings at National and International levels through NAHEP.



Hands on training Advance Vegetable Robotic Grafting Technology in Agriculture

The important MoUs signed by the NAHEP- Centre of Excellence for Digital Farming Solutions for Enhancing Productivity by Robots, Drone and AGV's are presented in the following table –

Table: MoUs signed by VNMKV - NAHEP

Sr. No.	Year of signing MoU	With whom signed	Subject of MoU
01	2020	Indian Institute of Technology Kharagpur	The following areas of cooperation have been identified under this agreement 1. Faculty development programme 2. Student exchange program 3. Joint research projects 4. Coordinated graduate degree programme Joint academic activities and events

02	2020	Indian Institute of Technology Bombay	<p>Through this MoU, both parties agree to following points:</p> <ol style="list-style-type: none"> 1. The researcher faculty members will work together and act as student advisory members in thematic research and extension programs 2. Under student internship exchange program, students of both parties can do their internship work. 3. Under the faculty exchange program both the parties will make their mutual concern for participating activities and its completion. 4. Faculty members can work as a visiting faculty/adjunct faculty by mutual exchange as per departmental and institute norms.
03	2020	Swaraj Engineering, Aurangabad	<p>The following areas of cooperation have been identified under this agreement</p> <ol style="list-style-type: none"> 1. Both parties will explore way to offer internship to students in industry 2. Industry will provide valuable inputs to NAHEP-CAAST-VNMKV-DFSRDA Centre, Parbhani to enhance teaching methodology and suitably modified it to cater to the employability need of the students.
04	2021	Aryaion Electric Vehicle Pvt. Ltd, Pune	<p>The following areas of cooperation have been identified under this agreement</p> <ol style="list-style-type: none"> 1. Industry will share the latest trends of the concerned field with NAHEP-CAAST- VNMKV-DFSRDA Centre, Parbhani to help in upgrading the knowledge of NAHEP Staff, Core Team Faculty members and PG/Ph.D. students, in order to upgrade skills and improve employability.
05	2022	Shri Shivaji Institute of Engineering and Management Studies, Parbhani	<p>The following areas of cooperation have been identified under this agreement:</p> <ol style="list-style-type: none"> 1. Industrial Training and Visits 2. Guest lectures 3. Placement of Trained students
06	2023	AgMatrix Consultancy PVT. LTD Pune, MH	<p>The following points have been identified under this agreement</p> <ol style="list-style-type: none"> 1. Providing/coordinating Academic/ Technical and soft skills training services to the staff and students 2. Avail the infrastructure facilities to conduct seminar and workshops 3. Assist each other in event management 4. Collaborate and supplement utilization of resource and facilities

07	2023	Vishwadeep Agro Research and Development Center, Parbhani	The following areas of cooperation have been identified under this agreement <ol style="list-style-type: none">1. Both parties will explore way to offer internship to students in industry2. Industry will share the latest trends of concerned field with NAHEP to help in upgrade the knowledge of nahep staff, Core team members and PG/Ph.D. students.
08	2023	University of Florida, USA	Through this MoU, both parties agree to following points: <ol style="list-style-type: none">1. Discussion of potential collaborative research2. Opportunities for faculty and staff development and exchange3. Opportunities for student development and exchange4. Exchange of academic publications and reports.5. Sharing experience in innovative teaching methods and course design6. Organization of joint symposia, workshops and conference.
09	2023	Kansas State University, USA	The two institutions agree to following general areas of interest and cooperation: <ol style="list-style-type: none">1. The exchange of scholars and scientists to conduct research of mutual interest.2. The exchange of professors for lectures and short term visits.3. Invitation to scholars for participation in conference, symposia and instruction.4. Exchange of information, academic materials and publications in field of mutual interest.

6.6.2.5 Incubations Centre / Start up units / Venture Capital

6.6.2.5.1 Incubation centre :

The College of Food Technology, VNMKV, Parbhani ensured the commercial utilization of processing of the ODOP and other processing lines. by individual and group entrepreneurs of the region by leasing out the Common Incubation Facilities to private O and M agencies. Incubation center for the College of Food Technology, VNMKV, Parbhani has been sanctioned and approved by CIC under PMFME through Ministry of Food Processing and Industries, Government of India, New Delhi. The budget allotted for the development of center is presented in the following table -

Table: Details of the sanctioned incubation centre

S.N.	Particulars	Amount Sanctioned (in Lakh)
01	Liquid jaggery and jaggery making	98.00
02	Sugar line based RTS beverage	47.00
03	Spice processing	55.00
04	Construction of new building	100.00
Total		300.00

Venture Capital: The University has developed wide range of agricultural and allied sciences technology that are commercialized. The list of technologies that are commercialized is presented in the following table.

Table: Technologies commercialized by the VNMKV

S. No.	Technologies	Discipline
1	Animal Bird Scarcer (with/without stand single/double battery, Solar panel and speaker)	Agricultural Engineering
2	Solar Tunnel Dryer	Agricultural Engineering
3	Bullock Drawn Solar operated Sprayer (12 / 8 Nozzle)	Agricultural Engineering
4	Multipurpose tool carrier (MPTC)	Agricultural Engineering
5	Bullock operated Earthing up for sugarcane / turmeric	Agricultural Engineering
6	Bullock Drawn three tyne fertie hoe	Agricultural Engineering
7	Bullock Drawn three tyne fertie hoe with furrow opener	Agricultural Engineering
8	Bullock Drawn stubble collector	Agricultural Engineering
9	Tractor operated Boom sprayer and inter-cultivator with slim tyre system	Agricultural Engineering
10	Bullock operated mulch laying machine	Agricultural Engineering
11	Bullock drawn cotton planter	Agricultural Engineering
12	Bullock drawn ridger	Agricultural Engineering
13	Bullock drawn bed maker (Adjustable)	Agricultural Engineering
14	Rotary mode agro processing unit	Agricultural Engineering
15	Electrically operated VNMKV Roaster	Agricultural Engineering

6.6.2.6 Technology Enabled Learning Resources

The university supports technology enabled learning in teaching, research and extension as per follows –

1. The faculty members made effective use of the ICT tools in the teaching learning process. The digital classrooms and modern teaching aids are being used by the faculty members for effective implementation of the curriculum.
2. The ICT based language labs are proven effective for the development of communication skills among the students.
3. The University has developed mobile app for the student's attendance and evaluation of teacher's performance including the feedback of student.
4. The faculty members have uploaded their lecture videos on the Agri- Diksha platform of the ICAR.
5. As per guidelines of the ICAR, the university has effectively implemented the Academic Management System (AMS) .
6. The faculty members encourage the students to participate in various capacity building programs and MOOCs courses available through online platform.
7. In the pandemic situation of Covid – 19 the university has successfully organized online classes for the students through various ICT platforms and successfully conducted examination of the students,
8. The faculty members and students have access to the plenty number of e-books, e-journals, and e-databases through ICAR- CeRA (Consortium of e-Resources in Agriculture) platform. The university library webpage also provides hyperlinks to the important databases and repositories in the field of Agriculture and Allied Sciences.
9. The university library digitized the entire PG and PhD thesis submitted to the university and provides 24 x 7 access to the digitized thesis and dissertations via Krishikosh Digital Repository of the ICAR.
10. The University Library provides the facility of the Web – OPAC through which the stakeholders of the university may search the availability of the learning resources in the university library and in the constituent college libraries of the VNMKV. The user-friendly library mobile app is in developing stage.
11. The university has developed user friendly mobile apps for the farmers of its jurisdiction. The mobile apps are proven a milestone in the outreach and extension

activities of the university. The farmers can easily be get acquainted with the latest information and technologies of the university with the help of these mobile apps.

12. The university is effectively using the various social media platforms as a technology enabled resource for the dissemination of the latest technologies to its stakeholders. The extension education wing, organic farming research centre, College of Food Technology, Parbhani and other departments of the university and the constituent colleges have successfully organized various farmer centric training programs via official YouTube channel and Facebook page of the university. The subject experts of the university have prepared informative videos on the various aspects of the farming and uploaded them on the YouTube channel and Facebook page of the university. The university is handling its own twitter account and web blog.
13. Laboratories are equipped with LCD projectors and motorized screens for ICT applications in Curricula delivery and a interactive board is also available.
14. Use of online interactive platform/ media (zoom, MS meet, Google meet) for teaching during the COVID-19 period.
15. Museum- crop live samples, seed samples, fertilizers, herbicide, irrigation equipment's, soil.
16. Sampling instruments and Digital display of Agronomic crops and weeds for transfer of knowledge to UG and PG students.

6.6.2.7 Integrated Learning Systems (Experiential Learning):

Indian Council for Agricultural Research, New Delhi, had launched the Experiential Learning and Hands on Training Programme for providing effective, intensive and specialized training for undergraduate students in SAUs to develop insight and skill oriented knowledge for nurturing professionalism in them. After completion of graduation, the students can take up entrepreneurship of their specialization to become economically independent. They can become job providers rather than job seekers.

6.6.2.7.1 Concept of experiential learning

- Learning to do - Doing to Learn,
- Earning to living - Living to serve



Academic Support

6.6.2.7.3 Status and performance of ELP Unit

The information of ICAR funded ELP units is presented in the following table.

Table: ICAR funded ELP Units

S. No.	Name of ELP unit sanctioned	Name of the College	Year of sanction	Grant received sanctioned by ICAR	No. of students trained					Profit sharing with students (%)					Status
					2018-19	2019-20	2020-21	2021-22	2022-23	2018-19	2019-20	2020-21	2021-22	2022-23	
1	Milk and Milk Product	COA, Parbhani	2006-07	40.00	35	42	40	35	42	00	00	00	00	00	Functional
2	Soil, Water, Plant and Fertilizer Analysis	COA, Parbhani	2011-12	59.90	29	34	25	56	45	00	00	00	00	00	Functional
3	Commercial Sericulture Silkworm cocoon production technology	COA, Latur	2011-12	30.00	22	30	12	02	--	00	00	00	00	00	Functional
4	Commercial vegetable production	COA, Latur	2013-14	92.70	150	18	15	15	18	00	00	00	00	00	Functional
5	Mushrom cultivation technology	COA, Latur	2019-20	64.00	25	128	32	39	41	00	00	00	00	00	Functional
6	Commercial vegetable production technology	COA, Badnapur	2012-13	70.00	32	30	30	30	30	00	00	00	00	00	Functional

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S. No.	Name of ELP unit sanctioned	Name of the College	Year of sanction	Grant received sanctioned by ICAR	No. of students trained					Profit sharing with students (%)					Status Functional
					2018-19	2019-20	2020-21	2021-22	2022-23	2018-19	2019-20	2020-21	2021-22	2022-23	
7	Precision farming of floriculture and exotic vegetables	COA, Badnapur	2015-16	80.00	-	-	42	39	35	00	00	00	00	00	Functional
8	Commercial Broiler Production	COA, Osmanabad	2015-16	24.87	15	15	30	53	39	14850	13630	17730	26120	-	Functional
9	Commercial Vegetable Production	COA, Osmanabad	2011-12	75.00	16	15	12	26	20	10000	3200	1020	13328	3000	Functional
10	Commercial Mushroom Production	COA, Osmanabad	2011-12	45.00	17	16	30	53	39	00	00	00	00	00	Functional
11	Apparel Production Unit	College of Community Science, Parbhani	2011-12	70.30	5	3	5	13	16	15496	6325	2013	4488	8654	Functional
12	Nursery Production and Management	College of Horticulture, Parbhani	2006-07	35.00	26	25	13	55	44	1050	-	-	3000	-	Functional
13	Protected Cultivation of High Value Flowers and Vegetable Crops	College of Horticulture, Parbhani	2006-07	35.00	26	25	13	55	44	3968	8055	1050	3360	00	Functional

6.6.2.8 Academic Industry Interface

Academia-industry interface is an interactive and collaboration arrangement between academic institution i.e. constituent colleges and universities for the achievement of certain mutually benefitted goals and objectives, in terms of technologies to be developed, solving practical problems involved at industrial levels and helps to generate skilful human resources. The channels/models of such interfaces are:

1. College of Agricultural Engineering and Technology, Parbhani is sharing knowledge with the State Government and World Bank sponsored PoCRA Project
2. College of Agricultural Engineering and Technology, Parbhani signed MoU for Resource Mobilization through CSR funding by CNH New Holand and TAFE mechanization centre. The project cost is approximate Rs.50 Lakh
3. College of Community Science, Parbhani through the course of in-plant training, provides platform to the students to work with various industries on early childhood education, special children, institutes of Architects, Interior designer and event management and are benefitted in refinement of skills for becoming successful entrepreneurs.
4. College of Agriculture, Latur in collaboration with ADM Agro Industries and Vizag Pvt. Ltd., Latur jointly working on a research project entitled “Phased Transition of Farmers From Chemical Farming to Integrated Approach” to address mutual interests and lead to new knowledge. An amount of 25000 US Dollar fund was received to College of Agriculture, Latur from ADM Foundation and ADM Agro Industries and Vizag Pvt. Ltd., Latur.
5. College of Agriculture, Latur in collaboration with Hifield-AG Chem India Pvt. Ltd, Aurangabad provides an opportunity of internships and apprenticeships to students in Agro-Industrial attachment during RAWE programme to gain practical experience and exposure to industry-specific knowledge.
6. College of Agricultural Biotechnology, Latur organized a series of lectures from the industry experts during the period of 2018 to 2023. Total 657 students of the college are benefitted by this series of lectures. The college under the “Student READY” program provides an opportunity to the students of VIII semester to work in existing laboratories of the host institutes. The students are allowed to work in renowned Biotechnology Laboratories/ Institutes /NGO like Sakata Seed India Pvt. Ltd., Pune, Rashtriya Chemical and Fertilizer Ltd., Mumbai, and ICAR- National Research Centre

- for Grapes, Pune etc. The college has earned revenue of Rs. 32 Lakh under product testing.
7. The critical suggestions in the curriculum and content designing can be done by industry representatives. This can be achieved through appointing industries experts as members of BoS of faculties or Executive Council, and invitee member in Academic Council of the University.
 8. Joint or collaborative seminar by academia and industry experts for the students, are proven helpful for identifying manpower's for vacation employment and improved academic quality of faculty.
 9. Industrial training programme makes students exposure to manufacturing process at large scales e.g. faculty of food technology and agricultural engineering and community science students undergo the inplant trainings.
 10. Academic institutions / colleges generating the ideas through basic and applied research which is having theoretical approaches can acts as incubator for new or innovative business / entrepreneur concepts.
 11. Industry providing financial and infrastructure support to colleges for their better developments.
 12. The MoU for the plantation of medicinal plants with Dabar Ayurved Pvt. Ltd. Is in progress
 13. The students gain a substantial experience through interaction with agro-based industries. The experience of commercial environment further advanced their practical knowledge in communication skills and working in a team. Some students got direct interaction with perspective employer and got the job according to individual capability. The students work on specified projects and document the project output for further planning and execution of commercial activity related to the project.
 14. Mock interviews are conducted by Corporate Resource Centre (CRC) and Placement cell of the university to identify students' effectiveness to handle interviews during placements. The deficiencies thereafter are taken care of to provide training of specific areas of weakness.
 15. The university had made fifty eight (58) MoUs with different institute i.e ICRISAT, CRIDA, NIASM, NRC on Pomegranate, NBSS and LUP, CICR, ICAR-Directorate of Floricultural Research Pune, ICAR-National Research centre for Grape, Pune, University of Horticultural Sciences Bagalkot, Karnataka etc. The list of MoUs is presented in table no.

Table: MoUs signed by the University

Sr. No	Year of signing MoU	With whom signed	Subject of MoU
1	2018	International Crop Research Institute for Semi-arid Tropics (ICRISAT), Hyderabad	Harvest Plus Project “Partnership based genetic enhancement of pearl millet for high grain iron density for improved human nutrition in India”
2	2018	IMD, New Delhi	Gramin Krishi Mausam Sewa (GKMS)
3	2018	International Crop Research Institute for Semi-arid Tropics (ICRISAT), Hyderabad	Delivering more produce and income to farmers through enhancing genetic gains for chickpea & Pigeonpea
4	2018	International Crop Research Institute for Semi-arid Tropics (ICRISAT), Hyderabad	Harvest plus Project on identification of micro nutrients – Dense Sorghum for better health in Western & Central Africa & India
5	2018	India Meteorological Department, New Delhi	Preparation & dissemination of agromet advisory bulletin for eight districts of Marathwada region under Gramin Krishi Mausam Sewa (GKMS) Project
6	2018	Watershed Organisation Trust, Pune	Agro Meteorological project at Jalna
7	2018	Maharashtra State Seeds Corporation Ltd. (MSSC Ltd.) Akola	For popularization and seed production of pearl millet variety ABPC 4-3 and AHB-1200 Fe
8	2019	International Crop Research Institute for Semi-arid Tropics (ICRISAT), Hyderabad	Project “Genetically enhanced micronutrient dense Pearl Millet for improved human nutrition under Harvest Plus # 5310.”
9	2019	M/s. Odtin Food Solutions Pvt. Ltd., Ujjain (MP)	Manufacture of Multigrain Puffing cum Popping Machine
10	2019	ICAR - Central Research Institute for Dryland Agriculture (CRIDA), Hyderabad and M/s. Rohit Krishi Industries Pvt. Ltd., Pune	Five row BBF Planter cum herbicide applicator (Four in one) Planter
11	2019	International Crop Research Institute for Semi-arid Tropics (ICRISAT), Hyderabad	Delivering more produce and Income to farmers through enhancing genetic gains for Pigeonpea
12	2020	ICAR- National Institute of Abiotic Stress Management, Baramati, Pune	Students Training and Post Graduate Research
13	2020	Maharashtra State Seeds Corporation Ltd. (Mahabeej) Akola	For popularization and seed production of pearl millet variety ABPC 4-3, AHB-1200 Fe and AHB- 1269.

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14	2020	Shri Guru Gobind Singhji Institute of Engineering and Technology, Vishnupuri, Nanded (MS)	Scientific cooperation and collaborative research
15	2020	Maharashtra State Seeds Corporation Ltd. (Mahabeej) Akola	Conversion of newly released cotton hybrids (NHH 250 and NHH 715) into Bollgard II version and its commercialization and promotion.
16	2020	International Crop Research Institute for Semi-arid Tropics (ICRISAT), Hyderabad	Partnership based Genetic enhancement of Pearl Millet for high grain iron density for improved human nutrition in India.
17	2020	Swami Agro Implements, Lasona Dist. Osmanabad	VNMKV Bullock drawn solar operated sprayer, Bullock operated three tyne ferti hoe with furrow opener/ without furrow opener, Bullock operated stubble collector, Bullock drawn mulch laying machine
18	2020	Agrotech agro Producer Company Limited, Khandapur Dist. Latur.	Large scale seed production of Linseed Variety: LSL-93
19	2020	Nanaji Deshmukh Krushi Sanjivani Programme (PoCRA), Mumbai	Research study on determination of Crop Coefficient for Major crops by Lysimetric Studies
20	2020	International Crop Research Institute for Semi-arid Tropics (ICRISAT), Hyderabad	Multilocation Testing of Sorghum and Pigeonpea
21	2020	The Registrar, University of Horticultural science, Udyanagiri, Navanagar, Bagalkot – 587104, Karnatak.	For conducting the P.G. and Ph.D. Research work
22	2020	Indian Institute of Technology Kharagpur	The following areas of cooperation have been identified under this agreement <ol style="list-style-type: none"> 1. Faculty development Programme 2. Student exchange program 3. Joint research projects 4.Coordinated graduate degree Programme 5.Joint academic activities and event
23	2020	Indian Institute of Technology Bombay	Through this MOU, both parties agree to following points: <ol style="list-style-type: none"> 1. The researcher faculty members will work together and act as student advisory members in thematic research and extension programs 2. Under student internship exchange program, students of both parties can

			<p>do their internship work.</p> <p>3. Under the faculty exchange program both the parties will make their mutual concern for participating activities and its completion.</p> <p>4. Faculty members can work as a visiting faculty/adjunct faculty by mutual exchange as per departmental and institute norms.</p>
24	2020	Swaraj Engineering, Aurangabad	<p>The following areas of cooperation have been identified under this agreement</p> <ol style="list-style-type: none"> 1. Both parties will explore way to offer internship to students in industry 2. Industry will provide valuable inputs to NAHEP – CAAST – VNMKV - DFSRDA Centre, PARBHANI to enhance teaching methodology and suitably modified it to cater to the employability need of the students.
25	2021	Aryaion Electric Vehicle Pvt. Ltd, Pune	<p>The following areas of cooperation have been identified under this agreement –</p> <p>Industry will share the latest trends of the concerned field with NAHEP-CAAST- VNMKV-DFSRDA Centre, PARBHANI to help in upgrading the knowledge of NAHEP Staff, Core Team Faculty members and PG/Ph.D. students, in order to upgrade skills & improve employability.</p>
26	2021	ICAR-National Research Centre on Pomegranate, Solapur	Institutional / students PG and Ph.D. research and training
27	2021	Maharashtra State Seeds Corporation Ltd. (MSSC Ltd) Akola.	For popularization and seed production of pearl millet variety ABPC 4-3, AHB-1200 Fe and AHB- 1269.
28	2021	ICAR-Indian Institute of Oilseeds Research, Hyderabad	Institutional / students PG and Ph.D research and training
29	2021	Inventive Solutions, Nasik	Manufacturing of solar equipments
30	2021	Krishi Vigyan Kendra, Baramati (State Level Technical Institute) PMFME, Baramati	Mutual Technology Transfer for successful Incubation Centre, PMFME
31	2021	Department of Biotechnology (DBT), Govt. of India	Implementation of DBT supported M.Sc. Agricultural Biotechnology Program

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32	2021	Indira Gandhi Agricultural University, Raipur (CG)	For obtaining linseed germplasm lines for research purpose
33	2021	ICAR- Directorate of Floricultural Research, Pune	For conducting the P.G. and Ph.D. Research work
34	2021	ICAR- National Research Center for Grape, Pune	For conducting the P.G. and Ph.D. Research work
35	2021	National Remote Sensing center ISRO, Department of Space, Govt. Of India, Balanagar, Hyderabad	Monitoring & investigations on ligheting phenomena and its associated process using lightening detection systems (LDS) at collaborating institutes
36	2021	Universitat Politècnica de València, Spain	For conducting the P.G. and Ph.D. Research work
37	2021	Washington State University, USA	For conducting the P.G. and Ph.D. Research work
38	2021	Belarusian State University of Informatics and Radioel ectronics, Minsk, Belarus	For conducting the P.G. and Ph.D. Research work
39	2021	CSMSS college, Aurangabad	For conducting the P.G. and Ph.D. Research work
40	2021	Aryaion Electric Vehicle Pvt Ltd, Pune	For manufacturing of AGVs, and digital faming solutions
41	2021	Vishwadeep Agro Research and Development Center, Palam	For manufacturing of AGVs, and digital faming solutions
42	2021	Green Robot Machinery Pvt. Ltd, Bangalore	For manufacturing of AGVs, and digital faming solutions
43	2021	ASAP Agritech LLP, Nashik	For manufacturing of AGVs, and digital faming solutions
44	2021	Swaraj Engineering, Aurangabad	For manufacturing of AGVs, and digital faming solutions
45	2021	Saron Digitech, Hyderabad	For manufacturing of AGVs, and digital faming solutions
46	2022	Aquatic Remedies , Mumbai	For development of electronic instruments for enhancing seed germination of soybean
47	2022	ICAR- Indian Institute of Sugarcane Research (IISR) , Lucknow (UP)	To promote long term sugarcane research
48	2022	Shri Shivaji Institute of Engineering and Management Studies, Parbhani	The following areas of cooperation have been identified under this agreement: 1.Industrial Training & Visits 2.Guest lectures 3.Placement of Trained students

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	2023	ICAR-Central Institute for Cotton (CIRCOT), Mumbai	Mechanisation in cotton, value addition, post harvest techniques and artificial intelligence (AI)
	2023	ICAR-NBSS&LUP, Nagpur	For conducting the P.G. and Ph.D. Research work
	2023	Durga Agro Works, Daryapur, Dist. Amravati	Manufacturing of small farm machineries
	2023	Sushil Model and Scientific Works, Ambala Cantt.	Manufacturing of electrically operated roaster
	2023	AgMatrix Consultancy PVT. LTD Pune, MH NAHEP	The following points have been identified under this agreement <ol style="list-style-type: none"> 1. Providing/coordinating Academic/ Technical and soft skills training services to the staff and students 2. Avail the infrastructure facilities to conduct seminar and workshops 3. Assist each other in event management 4. Collaborate and supplement utilization of resource and facilities
54	2023	Vishwadeep Agro Research and Development Center, Parbhani	The following areas of cooperation have been identified under this agreement - <ol style="list-style-type: none"> 1. Both parties will explore way to offer internship to students in industry 2. Industry will share the latest trends of concerned field with NAHEP to help in upgrade the knowledge of nahep staff, Core team members and PG/Ph.D. students.
55	2023	University of Florida, USA	Through this MOU, both parties agree to following points: <ol style="list-style-type: none"> 1. Discussion of potential collaborative research 2. Opportunities for faculty and staff development and exchange 3. Opportunities for student development and exchange 4. Exchange of academic publications and reports. 5. Sharing experience in innovative teaching methods and course design 6. Organization of joint symposia, workshops and conference.

56	2023	Kansas State University, USA	The two institutions agree to following general areas of interest and cooperation: 1. The exchange of scholars and scientists to conduct research of mutual interest. 2. The exchange of professors for lectures and short term visits. 3. Invitation to scholars for participation in conference, symposia and instruction. 4. Exchange of information, academic materials and publications in field of mutual interest.
57	2023	Reliance Foundation, Mumbai	Transfer of technology
58	2023	Paani Foundation	For providing knowledge on crop production technology

6.6.2.9 National Ranking (ICAR/MHRD) :

The ranking of Agricultural Universities by ICAR, New Delhi was initiated from 2016 onwards. Since then, the VNMKV have submitted applications for consideration of ranking. VNMKV secured 45th rank (2018); 41 rank (2019); and 51 rank (2020) during the last three consecutive years. The ranking for the year 2021 has not declared yet.

6.6.3 Research support

6.6.3.1 Research council :

Agricultural Research Council :

In accordance with the provisions under clause (v) of section 29, the authority to be called as '**Agricultural Research Council**' shall be constituted to serve as an Advisor body of the University and shall advise the Vice-Chancellor and the Executive Council on all research matters .

Composition of Research Council :

- (i) The Vice-Chancellor Ex-officio-Chairman.
- (ii) The Director of Research.
- (iii) The Director of Instruction.
- (iv) The Director of Extension Education.
- (v) The Deans of Faculties.
- (vi) One Chief Research Officer/Specialist to be nominated by the Vice-Chancellor.
- (vii) The Director of Agriculture or his representative.
- (viii) The Director of Animal Husbandry or his representative.
- (ix) The Director of Horticulture or his representative.
- (x) One Director of Research from other Agricultural Universities in Maharashtra State nominated by the Vice-Chancellor.
- (xi) Director of Fisheries or his representative.
- (xii) The Director of Research shall be Ex-Officio Secretary of the Research Council.
- (xiii) The Chairman may co-opt as members not more than four persons for such period and in such manner as may be decided by the Vice-Chancellor so as to provide adequate representation to different research aspects of agriculture and such co-opted members shall have the right to take part in the proceedings of the Council.
 - (1) The Council shall meet at least once in a year.
 - (2) The Council shall have the following functions, namely :
 - (i) to formulate research; policies and annual programmes of the University.
 - (ii) to review and evaluate the research programmes of the University.
 - (iii) publication of research bulletins, circulars, technical papers, books etc.
 - (iv) to make recommendations for provision of research facilities and aids for pursuit of research programmes.

Table: Dates of ARC meetings conducted in last 5 years

Year	Date of meeting
2018-19	01/03/2019
2019-20	09/03/2020
2020-21	27/08/2021
2021-22	15/11/2022
2022-23	--



Picture: 24th Meeting of Agriculture Research Council.

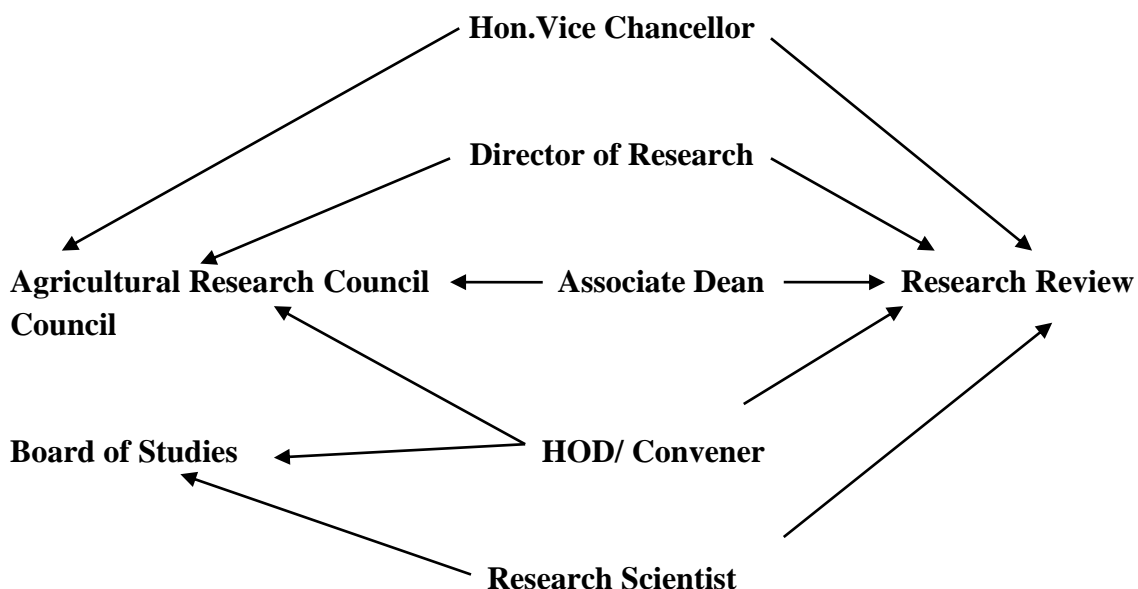


Picture: 25th Meeting of Agriculture Research Council.

6.6.3.2 Establishment of Directorate of Research

Name of post	Number
Director of Research	01 under establishment of VC
Deputy Director Research (Crops)	01
Deputy Director Research (Econ)	01
Deputy Director Research (AHDS)	01
Research Editor	01
Section Officer	01
Assistant Section Officer	01
Senior Clerk	01
Junior Clerk	01
Steno typist	02

Research coordination Mechanism :-



Research Centers (17):

1. Cotton Research Station, M.B. Farm, Parbhani
2. Regional Sugarcane Research Station, Basmatnagar
3. Agricultural Research Station, Tuljapur
4. Bajra Research Station, Vaijapur
5. Fruit Research Station, Himayat Baug, Aurangabad
6. Agricultural Research Station, Badnapur
7. Cotton Research Station, Nanded
8. Banana Research Station, Nanded
9. Custard Apple Research Station, Ambajogai
10. Taluka Seed Farm, Ambajogai
11. Oil seed Research Sub-Station, Ambajogai
12. Water Management Center, Khamgaon
13. Sweet Orange Research Station, Badnapur
14. Agricultural Research Station, Somnathpur
15. Sorghum Research Station, Parbhani
16. Seed Processing Center, Parbhani
17. Oil Seed Research Station, Latur

All India Coordinated Research Project Centers (23):-

1. AICRP on Cotton, Nanded
2. AICRP on Pearl millet, Aurangabad
3. AICRP on Pulses, Badnapur
4. AICRP on Sorghum, Parbhani
5. AICRP on Vegetables, Parbhani
6. AICRP on Sunflower, Latur
7. AICRP on Rice, Tuljapur
8. AICRP on BNF, Parbhani
9. AICRP on Water Management, Parbhani
10. AICRP on Cropping System Research, or IFS, Parbhani
11. AICRP on Soybean, Parbhani
12. NSP on Seed Technology, Parbhani
13. AICRP on Agro-Meteorology, Parbhani

14. AICRP on Long Term Fertilizers, Parbhani
15. AICRP on Arid Legume, Parbhani
16. AICRP on Safflower, Parbhani
17. AICRP on Home Science, Parbhani
18. AICRP on NSP on Breeder Seed Production, Parbhani
19. AICRP on Dry land Agriculture, Parbhani
20. AICRP on Arid Zone Fruits (Custard Apple), Ambajogai
21. AICRP on Utilization of Animal Energy with Enhanced System, Parbhani
22. AICRP on Integrated Farming System, Parbhani
23. AICRP on Mullarp, Badnapur

Seed Production Centers (51):

1. Bajara Research Station, Vaijapur
2. Agricultural Technological School, Aurangabad
3. Krishi Vigyan Kendra, Aurangabad
4. National Agricultural Research Project, Aurangabad
5. Agricultural Research Station, Badnapur
6. College of Agriculture, Badnapur
7. Sweet Orange Research Station, Badnapur
8. Agricultural Technological School, Jalna
9. Krishi Vigyan Kendra, Khamgaon
10. Agricultural Research Station, Tuljapur
11. Krishi Vigyan Kendra, Tuljapur
12. College of Agriculture, Osmanabad
13. Agricultural Technological School, Latur
14. Agricultural Technological School, Latur
15. ORS Latur
16. V.D. College of Biotech. Latur
17. P.G.I. Agri. Busin. Management Chakur
18. Agriculture Research Station, Somanathpur
19. Agri. Tech. Scham. Ambajogai
20. College Of Agriculture, Ambajogai
21. Custard Apple Research Station, Ambajogain
22. Oilseed Res. Sub. Station. Ambajogai
23. TSF, Ambajogai

24. A.T.S. Nanded
25. Banana Res. Station. Nanded
26. Cotton Research Station, Nanded
27. College of Agriculture, Golegaon
28. Cotton Research Station (MB), Parbhani.
29. Regional Sugar cane Research Station, Basmat, Dist. Hingoli
30. Breeder Seed Proa for. Shendra. A
31. Breeder Seed Prod. Farr. Kanapur . B
32. Breeder Seed Prod. Farr. Kanapur. A
33. Breeder Seed Prod. Farr. Kanapur. Parbhani
34. Horti. Res. Scheme. (Veg) Parbhani
35. Horti. Res. Scheme. (Pomology) Parbhani
36. Central Farm, Parbhani
37. Upland Paddy Res. Scheme, Parbhani
38. Sericulture Res. Scheme, Parbhani
39. Cattle. Cross Breeder. Research, Parbhani
40. Water management. Research Center, Parbhani
41. AICRP on Int. Farming, Parbhani
42. AICRP Dry land Research, Parbhani
43. Dept. of Horticulture, Parbhani
44. Sorghum Research Station, Parbhani
45. Agriculture Technology School, Parbhani
46. Dept. of Animal Husbandry and Dairy Science, Parbhani
47. Dept. of Agronomy, COA, Parbhani
48. Wheat and Mache Research, Parbhani
49. AICRP on Safflower, Parbhani
50. AICRP on Soybean, Parbhani
51. Cotton. Research Scheme, Parbhani




Contribution in academic programmes





Scientists of various disciplines are involved in conduct of B.Sc. (Agril.), M.Sc. (Agril.) Ph.D Course classes. Scientists are also working as Research guide for PG. program. Research center are involved in conduct of RAWE Programme every year for students from college of Agriculture, Parbhani.





6.6.3.3 Technology Developed and its Adoption



D) Varieties :

2018-19	2019-20	2020-21	2021-22	2022-23
1. Pearl Millet hybrid: AHB-1200 2. Linseed LSL-93 3. Tomato: PBNT-5	1. <i>Kharif</i> Sorghum : Parbhani Shakti (PVK 1009) 2. Cotton : PA 740 3. Tamarind : Shiwai	1. Parbhani Super moti : (SPV 2407)	1. Cotton : NHH 44 : The intra hirsutum cotton hybrid NHH 44 BG II 2. Pigeonpea : BDN 2013-41	1. Rabi Jowar Hurda (Parbhani Vasant - PVRSG 101) 2. Soybean (MAUS-725) 3. Safflower PBNS-154 (Parbhani Suvarna)

<p>Pearl Millet hybrid: AHB-1200</p>	
<p>Tomato: PBNT-5</p>	
<p><i>Kharif</i> Sorghum : Parbhani Shakti (PVK 1009)</p>	

<p>Cotton : PA 740</p>	 A photograph of a cotton plant with several white, fluffy bolls ready for harvest. The plant is green and appears to be in a field.
<p>Tamarind : Shiwai</p>	 A photograph of several tamarind pods, which are long, curved, and brownish-orange in color, hanging from a branch against a blue background.
<p>Parbhani Super moti : (SPV 2407)</p>	 A photograph of a large field of Parbhani Super moti plants, showing dense green foliage and numerous yellow flowers.
<p>Cotton : NHH 44 : The intra hirsutum</p>	 A photograph of a cotton plant with many small white flowers in bloom, set against a dark background.

<p>Cotton hybrid NHH 44 BG II</p>	
<p>Pigeonpea : BDN 2013-41</p>	
	
<p>Rabi Jowar Hurda (Parbhani Vasant - PVRSG 101)</p>	

<p>Soybean (MAUS-725)</p>	
<p>Safflower PBNS 154 (Parbhani Suvarna)</p>	

Adoption level

Year	Variety released	Adopted on an area
2018-19	1. Pearlmillet hybrid AHB 1200	4000 ha
	2. Linseed LSL 93	6000 ha
	3. Tomato PBNT-5	25 ha
2019-20	4. Kharif sorghum Parbhani shakti (PVK 1009)	400 ha (Notified in Aug 2022)
	5. Cotton PA 740	
	6. Tamerind (Shiwai)	Grafting is in progress
2020-21	7. Rabi sorghum Parbhani super Moti (SPV 2407)	500 ha (Notified in Aug 2021)
2021-22	8. Cotton NHH 44 Bt (BG II)	
	9. BDN 2013-41 Godawari	Notified in December 2021 Breeder seed production kharif 2022
2022-23	10. Rabi sorghum Hurda Parbhani Vasant (PVRSG 101)	10 ha (Yet not notified)
	11. Soybean MAUS 725	Notified in March 2023
	12. Safflower PBN 154 (Parbhani Suvarna)	Notified in March 2023

II) Equipment/Implements :

Year -2018-19

1. VNMKV developed bullock operated inter culturing implement is recommended for inter culturing operations in sugarcane and turmeric.
2. VNMKV developed single bullock operated harrow is recommended for harrowing operation and for inter culturing operation in wide spacing crops.
3. VNMKV developed single bullock operated Twin ferti hoe is recommended for inter culturing operation and fertilizer application in wide spacing crops.
4. VNMKV developed Bullock drawn turmeric and ginger digger implement is recommended for digging turmeric and ginger crop on raised bed.

Year -2019-20

1. VNMKV developed Single Bullock operated Planter is recommended for sowing.
2. VNMKV developed Three tyne hoe with furrow opener is recommended for intercultivation in BBF sowing.
3. VNMKV developed tractor operated five row (BBF) raised bed planter cum sprayer is recommended for sowing and spraying.
4. VNMKV developed Bullock drawn solar operated sprayer is recommended for spraying of weedicide/pesticide.

Year -2020-21

1. VNMKV developed bullock drawn MPTC for planter cum solar sprayer is recommended for planting, seed covering, fertilizer application, interculture operations and spraying of insecticide or pesticide.
2. VNMKV developed bullock drawn mulch laying machine is recommended for making bed (Width 90 -120 cm , height 12-15 cm), laying and covering of plastic mulch.
3. VNMKV developed Bullockdrawn cotton planter cum fertilizer drill is recommended for planting of cotton, fertilizer application, marking and covering of seed simultaneously.
4. VNMKV developed Bullock Drawn Turmeric Interculture cum earthing up Implement is recommended for inter-culturing and simultaneously earthing up in turmeric crop.

5. VNMKV developed tractor operated rotary interculturing tools is recommended for wide spaced grown crops.
6. VNMKV developed Mini-Mannual Boom Sprayer (MMBS) is recommended for spraying in all crops.
7. VNMKV developed High Temperature Short Time (HTST) type puffing cum popping machine (capacity 40 to 50 kg/hr) is recommended for the production of kharmure (soybean, peanuts), Phutane (Bengal gram). Sorghum pops and popcorn.

Year -2021-22- Nil

Year -2022-23

1. Design and Development of Tractor Drawn Inter-Cultivator Cum furrow opener and Sprayer with slim tyre
VNMKV tractor operated Inter- Cultivator Cum furrow opener and Sprayer with slim tyre is recommended for inter cultivation, reopening of furrow and insecticide spraying at a time .
2. Development Bullock drawn Bed Maker
VNMKV developed Bullock drawn bed maker is recommended for release for making broad bed of 2 to 5 ft. wide.
3. Development of single bullock drawn Ridger
VNMKV developed Single Bullock drawn Ridger is recommended for release for making ridge and furrow in all type of crops.
4. Design and Development of Cutting Mechanism of Flail Mower
VNMKV developed Flail Mower is recommended for cutting of Grass from open grounds barren lands and weed infested fields.
5. Design and Development of manually operated Vegetable Transplanter
VNMKV developed manually operated vegetable transplanter is recommended to release for transplanting of Vegetable crops.
6. Design, Development and Performance Evaluation of Hand Operated Fresh Sweet Corn Sheller
VNMKV developed hand operated fresh sweet corn sheller of capacity: 8 kg/h and 97 % shelling efficiency is recommended to release for shelling fresh sweet corn kernels.

7. Design and development of bullock drawn multipurpose mobile solar energy cart
VNМКV developed multipurpose bullock drawn mobile solar energy cart is recommended for release for spraying of pesticide and weedicide in different crops upto the height of 180 cm, for spraying in orchard crops up to 300 cm, for water lifting from 10 to 40 m head and generation of electricity for lighting of electrical gadgets up to 500 W.

I) Crop Production and Other Technologies

Year -2018-19

Agronomy

1. In *Kharif* season, for getting higher seed yield and monetary returns, it is recommended to sow sunflower crop on ridges and furrow at 60cm x 30 cm spacing in vertisol of Marathwada region .
2. Seed treatment of *Azotobactor* + PSB @ 25 g each/kg seed + in situ green manuring of sunhemp @ 50 kg seed/ha and its incorporation in soil after 45 DAS is recommended for soil enrichment and profitable organic cultivation of American cotton varieties.
3. High density planting of American cotton varieties on raised bed (bottom width 90 cm and top width 75 cm) with application of 125 % RDF (75:37.5:37.5 NPK kg/ha) + soil test based micronutrients is recommended for higher yield and profitable returns on medium soils of Marathwada under rainfed condition.
4. For higher seed cotton yield and net monetary returns of rainfed Bt. cotton, it is recommended to plant rainfed Bt cotton on broad bed furrow in medium to deep black soils with in-situ green manuring (at 50% flowering / at 45 DAS) of sunhemp as a inter crop OR apply 5 t/ha of FYM with the application of 75% RDF (90:45:45 NPK Kg/ha) + two sprays of potassium nitrate (KNO₃) at 35 days (1.0%) and at 75 days (2.0%) after planting respectively OR two sprays of micronutrient mixture (grade-II)(@ 0.5% each) at days and at 75 days after planting respectively.
5. To cope with dry spells and to attain stable rainfed Bt cotton yield it is recommended to apply two sprays of 19:19:19 @ 0.5% at 35 days and at 75 days after sowing respectively OR potassium nitrate (KNO₃) at 35 days (@ 1.0%) and at 75 days after sowing (@ 2.0%) respectively alongwith recommended dose of fertilizers (120:60:60 NPK kg/ha) in medium to deep black soils.

6. For higher seed yield and net monetary returns of soybean, it is recommended to undertake sowing of soybean on broad bed furrow in medium to deep black soils with the application of RDF (30:60:30 NPK Kg/ha) and during dry spell two sprays of potassium nitrate (KNO_3) (@ 1.0 and 2.0 %) OR two sprays of 19:19:19 (@ 0.5%) at 30-35 days and at 60-65 days after sowing respectively.
7. Application of 50% recommended NPK + 3.5 t/ha safflower residues along with 2.5 t/ha FYM to soybean and application of 50% recommended NPK + 3 t/ha soybean residues along with 3 t/ha FYM to safflower is recommended for saving of 50% NPK requirement of both crops in soybean – safflower cropping system on vertisols of Marathwada.
8. It is recommended to undertake sprays of Mepiquat chloride (5%) @ 25 g. a. i./ha at square formation and flowering stage is recommended for retarding vegetative growth, increasing seed cotton yield and profitable monetary returns of Bt cotton under rainfed conventional cultivation.
9. Spacing of American hybrid Bt. Cotton for high density planting system at 90 x 30 cm (37037 plants ha^{-1}) is recommended for higher seed cotton yield and economic returns. Application of Mepiquat chloride (5%) @ 25 gm *a.i.* ha^{-1} twice at square formation and flowering is recommended for higher seed cotton yield and economic returns.
10. Seed treatment of PSB and Azospirillum along with recommended dose of fertilizer (60:30:30 NPK kg/ha) is recommended for hybrid pearl millet during *kharif* season in Marathwada region is recommended.
11. For obtaining higher production and monetary returns in rabi maize, application of 150 : 75 : 75 NPK kg/ha fertilizer dose with three equal splits of nitrogen at 33.3 % (50 kg/ha) basal + 33.3 % (50 kg/ha) after one month and 33.3 % (50 kg/ha) after two month and full dose of phosphorus and potash applied at the time of sowing is recommended.

Plant Protection

- 12 Application of Neem cake @ 1.0 kg/m^2 in the seed bed, covering of nursery with 40 mesh white nylon net, spraying of Cyantraniliprole (10.26 % OD) @ 1.2 ml/l three days before transplanting, seedling dip of Imidacloprid (17.8 % SL) @ 0.5 ml/l for 15 minutes and sowing of two rows of maize as border crop in the main field 15 days before transplanting along with sliver agrimulch sheet and five spray of Cyantraniliprole (10.26 % OD) @ 1.2 ml/l at seven days interval after transplanting is recommended for effective management of chilli leaf curl.

13. The IPM module on chickpea for *H. armigera* recommended is as follow.
- 1) Clean up campaign and summer deep ploughing.
 - 2) During sowing mix with 100g of sorghum seed in chickpea.
 - 3) Sowing of two border rows of coriander and mustard around crop.
 - 4) Use of bird perches @ 50/ ha.
 - 5) Use of pheromone traps @ 5 /ha.
 - 6) Spraying of 5% NSKE during 50 % flowering.
 - 7) Spraying of HaNPV 500 LE/ha at pod initiation stage for *H. armigera*.
 - 8) Spraying of emamectin benzoate 5 SG @ 4g/10 lit. of water at pod development stage for *H. armigera*.
14. VNMKV developed following forewarning model regarding maximum grey mildew incidence in cotton and crop growth stage at peak infestation of grey mildew is recommended for the use of extension workers and scientists to intimate farmers in advance.

Maximum severity on cotton

$$(Y) = (-8.42722) + 0.60043 * Z41 + 0.00687 * Z231$$

Age of cotton at Peak Severity

$$(Y) = (-7.16219) + 0.01035 * Z341$$

Where,

Z41 = Weighted weekly evening relative humidity,

Z231 = Weighted weekly interaction of minimum temperature and morning relative humidity and

Z341 = Weighted weekly interaction of morning relative humidity and evening relative humidity.

Soil Science

15. In Vertisol of Marathwada region, to get maximum yield and monetary returns of green gram in kharif season, application of recommended dose of fertilizer i.e. 25:50 kg N and P₂O₅ with 25 kg K₂O and soil application of 25 kg grade I micronutrient fertilizer per ha. or foliar spraying of grade II @ 0.5% at 20 and 35 DAS is recommended.
16. For increasing the productivity, profitability, land use efficiency and maintenance of soil fertility the planting on broad bed furrow at 1.5 m in kharif season Maize + Soybean (Bed), Sesbania (Furrow) (2:1:2) - in rabi season Chick pea (Bed) + Wheat (Furrow)(3:2) – in summer season Cowpea (Veg.) (Bed) + Okra (Furrow)(3:2) crop sequences is recommended for Marathwada region.

Food Technology

17. It is recommended to prepare good quality multigrain roti with 60 per cent Sorghum and each of 13.33 per cent finger millet, amaranth and soya bean.
18. It is recommended to use VNMKV, Parbhani developed technology for production of *Instant Sorghum Flakes from Parbhani Moti Cultivar*

Community Science

19. The College of Community Science, VNMKV, Parbhani recommends that effective crash courses must be offered to rural male and female youth on self care and life skills development, premarital counselling for marital readiness and on effective parenting practices for preventing / reducing marital problems of rural couples to have happy and empowered families.
20. VNMKV recommends consumption of 60 g of functional *Heartdibocare* snack as a breakfast food for a period of 60 days to reduce the fasting and post prandial blood glucose of diabetic subjects and total cholesterol, triglycerides and LDL cholesterol of hyperlipidemic subjects based on clinical findings
21. VNMKV developed customized 3 bags and a basket are recommended for collecting loose roses, cut roses, gaillardia and marigold flowers for harvesting task for work efficiency and drudgery reduction of farm workers.
22. The VNMKV developed rectangular tray made up of MS Galvanized steel with two handles is recommended for work efficiency and drudgery reduction of worker in filling up grains.
23. It is recommended to use 1% mango kernel starch on cotton fabric and 4% mango kernel starch on silk fabric as a thickening agent for the purpose of block printing.

Agri. Engineering

24. Plastic punnet packaging (150 gauge, 2% ventilation) is recommended for the storage of peeled garlic cloves up to 22 days (low temperature, 5⁰C) and 7 days (ambient temperature, 30⁰C).
25. The drainage coefficient values developed by Vasantnao Naik Krishi Vidyapeeth are recommended for the design of surface drainage system for Tahsils of Jalna, Osmanabad, Beed, Latur, Nanded, Aurangabad and Parbhani districts of Marathwada.

26. Rainfall intensity-duration-frequency relationships and nomographs for Nanded, Latur, Jalna and Hingoli, are recommended for determination of rainfall intensity for design of soil and water conservation structures, in Marathwada region.
27. Crop specific dryspell probability nomographs of dominant Dryland crops, are recommended for crop planning, contingency crop planning, crop management, cultural operations and protective irrigation in Marathwada Region.

Horticulture

28. For getting maximum yield and better economic returns of ratoon crop of banana retaining of $\frac{3}{4}$ pseudostem from base of main crop is recommended for Marathwada region.

Water Management

29. For higher fresh rhizome yield and monetary returns of turmeric planted on 1.5 m wide raised bed with paired row planting (45 x 15 cm), it is recommended to schedule alternate day inline drip irrigation with 80% of cumulative pan evaporation.
30. Drip fertigation with 80% of recommended dose (160:80:80 N: P: K kg/ha) to turmeric with N in 5 equal splits @28 kg/ha at an interval of 30 days from 30 days after planting (DAP) to 150 DAP while sixth dose of N @20 kg/ha at 180 DAP and P and K in 3 splits of 40, 20 and 20 kg/ha, respectively at planting, 60 DAP and 120 DAP is recommended.
31. For higher fruit yield and net monetary returns of *rabi* brinjal, it is recommended to schedule inline drip irrigation at 80% of pan evaporation daily with fertigation of 80:40:40 kg/ha of N: P: K; N in 5 equal splits at an interval of 30 days from transplanting to 120 DAP and P and K in three splits of 20, 10 and 10 kg/ha, respectively at planting, 30 DAP and 60 DAP.

Table: The fertigation schedule along with the quantity of soluble fertilizer is as below.

Time of application	Fertilizer dose (80:40:40 NPK Kg/ha)			Soluble fertilizers (kg/ha)		
	N	P	K	Urea	0:52:34	0:0:50
At planting	16	20	20	35	38.50	14.0
30 DAP	16	10	10	35	19.25	7.0
60 DAP	16	10	10	35	19.25	7.0
90 DAP	16	-	-	35	-	-
120 DAP	16	-	-	35	-	-

32. For higher yields and net monetary returns of watermelon, inline drip irrigation scheduled at 80% of pan evaporation daily with lateral laid at the centre of broad bed furrow of 90 cm top and crop is sown at 50 cm plant to plant spacing on the bed covered with black polythene mulch of 30 micron is recommended.
33. For higher yield and net monetary returns of summer groundnut, it is recommended to use inline drip irrigation with lateral laid at the centre of broad bed furrow (BBF) having top width of 90 cm and three rows of groundnut planted at 30 cm (30x8 cm) covered by transparent or black polythene mulch and daily irrigation scheduled at 100% of pan evaporation on medium deep soils of Marathwada region.
34. In soybean-chickpea cropping system for higher yield and economic returns from chickpea, it is recommended to apply two irrigations of 60 mm depth at critical growth stages first at flowering and second at pod formation stage through sprinkler irrigation.

Sericulture

35. Double cross hybrid (CSR₂xCSR₂₇) X (CSR₆xCSR₂₆) shown significantly superior weight of 10 mature larvae (40.554g), filament length (983m), filament weight (0.308g) and cocoon yield (17.764kg) per 10,000 larvae brushed over check is recommended for commercial sericulture in Maharashtra.

Agri. Economics

37. To ensure the remunerative prices for turmeric, APMCs should create uniform marketing conditions by setting up real time price information system and marketing infrastructure. It is also recommended that, price stabilization mechanism especially minimum support price should be given to turmeric so as to reduce the price volatility in all major turmeric markets.
38. To improve integration among major markets of soybean and facilitate remunerative prices to farmers, information system should be strengthened.

Year -2019-20

Agronomy

1. For maximizing the Pearl millet yield under late sown situations, sowing of pearl millet on 25th July + 5 days application FYM@ 5.0 t/ha + RDF (60:30:30 NPK kg/ha) + NPK foliar spray (19:19:19 Grade) @ 0.5% (50g / 10 lit of water) at 20-25 days after sowing is recommended for Marathwada region.

2. The scheduling of irrigation at 75 mm CPE (February 15 days, March 10 days, April 7 days interval) through flood irrigation method is recommended for getting maximum yield and monetary return for summer pearl millet in Marathwada region.
3. Foliar application of $\text{FeSO}_4@0.75\%$ (75g/10 lit of water) at 25-30 days after sowing is recommended for higher yield and monetary return in *Kharif* pearl millet for Marathwada region.
4. In pre seasonal Bt. Cotton, for lowest para wilt seedling population, highest seed cotton yield and economical benefits, sowing of crop after 20 May under Flood irrigation and after 30 May under drip irrigation (with reduction of temperature below 39°C) is recommended for Marathwada region.
5. For highest seed cotton yield and higher economic returns of hirsutum cotton under high density planting system, de-topping at 75 days after sowing or 90 days after sowing or spraying of Mepiquate Chloride 5% AS @ 250 ppm (25 ml/10 lit. water) at 75 days after sowing is recommended.
6. For highest cotton equivalent yield, gross monetary returns, net monetary returns and weed control efficiency in cotton + soybean (1:1) intercropping system, pre-emergence application of Oxyflourfen 23.5% EC @ 0.1 kg/ha a.i. followed by hoeing at 6 weeks after sowing is recommended.
7. Application of cetyl alcohol @ 20 mg/sq. m. at an interval of 10 days is recommended for control of water loss due to evaporation up to 50 per cent from farm pond.
8. In medium to deep black cotton soils of Marathwada region to manage/minimize reddening of irrigated Bt cotton and to obtain higher seed cotton yield and net monetary returns per hectare, it is recommended to apply RDF 125 % through fertigation (100: 50 : 50 NPK kg/ha) along with two sprays of micronutrients grade – II mixture @ 0.5 % + potassium schoenite @ 1.0% at 55 and 70 DAS respectively or to apply 75:37.5: 37.5 NPK kg/ha through soil application and application of 75:37.5:37.5 NPK kg /ha through fertigation.

Plant Protection

9. For management of pod borer complex of pigeonpea and getting higher yield with monetary returns, first spray of chlorantraniliprole 18.5 SC 3 ml/10 lit of water at 50 % flowering stage and second spray of flubendiamide 39.35 SC 2 ml/10 lit of water at pod development stage are recommended.

10. For management of pigeonpea pod fly, it is recommended to fix 1 maggot/20 pods or 5% pod damage or 2% seed damage from randomly selected pods as Economic Threshold Level.
11. For Management of downy mildew of pearl millet, seed treatment of bio-agent *Pseudomonas fluoresces* (MYS-14) @ 8g/kg seed is recommended.

Soil Science

12. It is recommended that cattle of Parbhani district of Marathwada region need to be supplemented with copper, manganese and zinc by formulating area specific mineral mixture using highly bio-available mineral salt to meet the nutrient deficiency of Zn, Cu and Mn which were found deficient in soil, fodder and serum of this region.
13. Seed treatment of liquid zinc solubilizer *Pseudomonas striata* @ 100 ml/10 kg seed + application of ZnSO₄ 30 kg ha⁻¹ is recommended to soybean along with recommended dose of fertilizers (30:60:30 NPK kg ha⁻¹) for enhancement of soybean seed yield, monetary return and improvement in soil properties.

Food Technology

14. A carbonated fruit beverage containing 0.5 per cent paneer doda concentrated extract and 0.3 per cent sucralose is recommended as a health drink for diabetic patient.
15. For preparation of nutritional and nutraceutical capsules, the powder of leaves, flower, and pods of drumstick is recommended.
16. Incorporation of 0.2 percent guar gum is recommended for improvement of spreadability of Soybean butter.

Community Science

17. VNMKV refined and verified work station layout for Papad and Vermicelli production enterprises is recommended for improving health and efficiency of women workers.
18. VNMKV published book entitled Balavikasachi Uthkrusta Tantre-Palakansati Margadashika is recommended as it is based on Child Care, Development. Causes and Remedies of Developmental Disorders for educating parents of all sections and school teachers as it would serve as the best guide to them for guiding and taking needed action for well being of children.
19. It is recommended to use 10% mango kernel starch on cotton and silk fabrics as thickening agent for the purpose of screen printing.
20. It is recommended that VNMKV, Parbhani developed WRG weaning food prepared using wheat 20% rice 20% green gram dhal 27%, soya dhal 13% (all roasted), carrot powder 10%, skim milk powder 8%, coriander leaves powder 1% and cumin seed

powder 1% rich in energy, protein, iron and calcium by mixing with warm water or milk to feed infants of 7-9 months age group.

21. To reduce the fasting and post prandial blood glucose of diabetic subjects and total cholesterol, triglycerides, LDL and VLDL cholesterol of hyperlipidemic subjects it is recommended to consume 50 g of VNMKV, Parbhani developed Multipurpose functional Food Mix as a breakfast snack for a period of 60 days.

Agril. Engineering

22. For open space flooring of loose housing cattle barn, a section with 40 cm depth filled with compacted murum 20 cm followed by 10 cm plain cement concrete and single vertical layer of red brick construction in cement mortar 1:6 is recommended.
23. For the production of quality kesar mango leather, it is recommended to prepare mango foam by adding 3% GMS in mango pulp, whipping it for 2 minutes by blender, and then drying foam mat of 6 mm thickness at 60⁰C temperature in tray dryer by using foam mat drying technique.

Bio-technology

24. It is recommended to use fluorescent labeled probe based ‘VNMKV BBTV-ARRAY’ Molecular detection kit for rapid, reliable, precise, cost effective and easy indexing of Banana Bunchy Top Virus in mother plant as well as tissue culture raised banana plantlets.

Water Management

25. For higher grain yield and net monetary returns of post *Kharif* maize it is recommended to schedule alternate day drip irrigation at 80% cumulative pan evaporation through inline lateral laid at 120 cm apart for paired rows (45x30-75cm) and drip fertigation of 113:57:57 NPK kg/ha; N in 8 equal splits @ 12.5% at an interval of 10 days from 10 to 80 days after sowing while P and K in 2 equal splits at sowing and 30 days after sowing.

Table:Fertigation schedule along with quantity of soluble fertilizer required is as below

Time of application	Fertilizer dose (113:57:57 NPK (kg/ha))			Soluble fertilizers (kg/ha)		
	N	P	K	Urea	0:52:34	0:0:50
At sowing	-	28.5	28.5	-	55	19.6
10 DAS	14.13	-	-	30.5		
20 DAS	14.13	-	-	30.5		
30 DAS	14.13	28.5	28.5	30.5	55	19.6
40 DAS	14.13	-	-	30.5		
50 DAS	14.13	-	-	30.5		
60 DAS	14.13	-	-	30.5		
70 DAS	14.13	-	-	30.5		
80 DAS	14.13	-	-	30.5		

Extension Education

26. It is observed that monocropping is prominent in all the districts of Marathwada with soybean and cotton as major crops grown under rainfed situation. Failure of crops due to drought was the main cause of farmers suicide. Therefore, it is recommend to initiate Integrated Farming System (IFS) which will diversify the income sources of marginal and small farmers and to create awareness for increasing the participation of the farmers by various extension agencies to construct farm ponds, recharge of wells/bores, water conservation techniques (Jal Ukat Shivar) and judicious use of available water through drip and sprinkler irrigation.
27. For creating hope amongst the severely distressed farmers in Marathwada region, it is recommended to provide psychological counseling facilities at village level by government agency. Similarly daughters' marriage anxiety is one of the main social causes of farmers' distress in the region, hence it is necessary to promote group marriages in rural areas by government/non-government organizations.
28. It is observed from the study that productivity of pigeon pea has not increased significantly during last thirty years in Parbhani and Nanded districts of Marathwada, so it is recommended that the efforts may be made to disseminate improved Pigeon pea production technology through extension agencies to improve the productivity levels particularly in Parbhani and Nanded districts.

Year -2020-21

Agronomy

1. For obtaining higher yield and net profit, planting of pigeon pea on Broad Bed Furrows (BBF) at 1.5m with two row on the bed at 90 cm along with foliar application of Mepiquat chloride @100 ppm at 50 % flowering and integrated nutrient management with 5 tonnes of FYM ha⁻¹, seed treatment of each *Rhizobium* and PSB@ 100ml / 10 kg of seed along with 50% RDF (12.5 : 25: 12.5 NPK kg/ha) is recommended for Marathwada region.
2. For maximizing productivity and net monetary returns, sowing of chickpea either on ridges and furrows or broad bed furrows (BBF) along with protective irrigations (60 mm depth) at branching and pod development stage are recommended.

Plant Protection

3. Recommendation of forewarning model for extension workers and scientists to forewarn peak leaf hopper infestation on *Kharif* groundnut crop and age of the groundnut crop (DAS) at peak leaf hopper infestation for Marathwada region.

A) Model for peak leaf hopper infestation on groundnut crop

$$(Y) = 30.42999 + 0.34890 * Z41$$

B) Model for age of groundnut crop at peak infestation of leaf hopper

$$(Y) = 54.8567 + 0.00388 * Z151 + 0.11952 * Z231 + 0.00496 * Z230$$

Where,

Z41 = 4-Evening humidity, 1-Weighted interaction : Weighted interaction of leaf hopper and evening relative humidity

Z151 = 1-Max. temperature, 5-Rainfall, 1-Weighted interaction : Weighted interaction of maximum temperature and Rainfall

Z231 = 2-Min. Temperature, 3-Morning humidity, 1- Weighted interaction : Weighted interaction of min temperature and morning relative humidity

Z230 = 2-Min. Temperature, 3-Morning humidity, 0-Unweighted interaction : Unweighted interaction of minimum temperature and morning relative humidity

(1 = Max. temperature, 2= Min. Temperature, 3= Morning humidity, 4 = Evening humidity, 5 = Rainfall and last 0, 1 represents unweighted, weighted interactions.respectively)

* Weights being correlation coefficients between variable to forecast and weather variable taken one or two in 27th to 32nd SMW.

4. Recommendation of forewarning model for extension workers and scientists to forewarn peak leaf miner infestation on *Kharif* groundnut crop and age of groundnut crop (DAS) at peak leaf miner infestation for Marathwada region.

A) Model for peak Leaf miner infestation on groundnut crop

$$(Y) = 31.67182 + 0.01079 * Z121 + 0.00865 * Z131 + 0.00208 * Z251.$$

B) Model for age of groundnut crop age at peak infestation of leaf miner

$$(Y) = 33.75243 + 0.0769 * Z131$$

Where,

Z121 = 1- Max. temperature, 2- Min, temperature, 1- Weighted interaction : Weighted interaction of max. temperature and min. temperature

Z131 = 1- Max. temperature, 3- Morning humidity, 1- Weighted interaction : Weighted interaction of maximum temperature and morning relative humidity.

Z251 = 2- Min. temperature, 5- Rainfall, 1- Weighted interaction

: Weighted interaction of Min. temperature and Rainfall

* Weights being correlation coefficients between variable to forecast and weather variable taken two or one at a time in 27th to 32nd SMW.

- For achieving higher productivity and monetary returns, soil application of *Trichoderma viride* @ 2.5 kg/ha through FYM (Tv-TNAU), seed treatment with *Pseudomonas fluorescens* (CICR) @ 10 g/kg of seed and foliar spray of copper oxychloride 0.3% + Streptocycline 0.01% is recommended after 45 DAS for management of Wilt / Root rot, Bacterial Blight, *Alternaria* and Grey mildew disease incidence in Bt cotton.

Agri. Engineering :

- The reference evapotranspiration estimated by Penman – Monteith (FAO-56) method in table 1 is recommended for irrigation planning and scheduling.

MW	Eto (mm/day)	MW	Eto (mm/day)	MW	Eto (mm/day)	MW	Eto (mm/day)
1	4.2	14	9.2	27	5.7	40	4.3
2	4.4	15	9.5	28	5.1	41	4.5
3	4.7	16	10.3	29	5.0	42	4.9
4	4.9	17	10.5	30	4.7	43	4.9
5	5.3	18	11.5	31	4.4	44	5.0
6	5.6	19	11.8	32	4.4	45	4.8
7	6.0	20	12.0	33	4.4	46	4.6
8	6.4	21	12.6	34	4.3	47	4.4
9	7.1	22	11.7	35	4.2	48	4.0
10	7.4	23	9.3	36	4.3	49	4.3
11	7.7	24	7.7	37	4.4	50	4.2
12	8.5	25	6.9	38	4.5	51	4.2
13	8.7	26	6.3	39	4.2	52	4.1

- The crop coefficients given in table 1 and 2 are recommended for estimation of water requirement of Bt Cotton, Pigeon pea, Soybean, Safflower, Wheat and Gram under Parbhani condition and alternative these polynomial equations given in table 3 are recommended for estimation of water requirement.

Table 1 : Crop Coefficients of Bt Cotton, Pigeon pea and Soybean for the week after Planting/sowing

Bt. Cotton			Pigeon pea			Soybean		
MW	WAP	Modified Kc	MW	WAP	Modified Kc	MW	WAS	Modified Kc
25	0	0.59	25	0	0.59	26	0	0.63
26	1	0.62	26	1	0.62	27	1	0.62
27	2	0.62	27	2	0.62	28	2	0.62
28	3	0.62	28	3	0.62	29	3	0.63
29	4	0.54	29	4	0.65	30	4	0.71
30	5	0.61	30	5	0.67	31	5	0.85
31	6	0.7	31	6	0.68	32	6	1.02
32	7	0.81	32	7	0.73	33	7	1.2
33	8	0.9	33	8	0.78	34	8	1.26
34	9	0.99	34	9	0.82	35	9	1.26
35	10	1.07	35	10	0.89	36	10	1.16
36	11	1.14	36	11	0.95	37	11	0.93
37	12	1.21	37	12	1.03	38	12	0.63
38	13	1.23	38	13	1.07	39	13	0.50
39	14	1.26	39	14	1.13			
40	15	1.3	40	15	1.20			
41	16	1.31	41	16	1.23			
42	17	1.32	42	17	1.26			
43	18	1.3	43	18	1.25			
44	19	1.28	44	19	1.22			
45	20	1.23	45	20	1.15			
46	21	1.17	46	21	1.05			
47	22	1.1	47	22	0.92			
48	23	1.04	48	23	0.77			
49	24	0.98	49	24	0.63			
50	25	0.92	50	25	0.33			
51	26	0.87	51	26	0.23			
52	27	0.82						
1	28	0.76						
2	29	0.76						
3	30	0.79						

MW : Meteorological week :
WAP : Weeks after planting :
WAS : Weeks after sowing

Table 2 : Crop coefficient Safflower, Wheat and Gram of Rabi crops for the week after planting / sowing

Safflower			Wheat			Gram				
MW	WAS	Modified Kc	MW	WAS	Modified Kc	MW	WAS	Modified Kc		
43	0	0.62	48	0	0.60	43	0	0.62		
44	1	0.62	49	1	0.60	44	1	0.62		
45	2	0.61	50	2	0.76	45	2	0.61		
46	3	0.60	51	3	0.90	46	3	0.54		
47	4	0.45	52	4	1.03	47	4	0.64		
48	5	0.52	1	5	1.09	48	5	0.74		
49	6	0.61	2	6	1.15	49	6	0.87		
50	7	0.71	3	7	1.18	50	7	1.01		
51	8	0.83	4	8	1.22	51	8	1.1		
52	9	0.95	5	9	1.25	52	9	1.13		
1	10	1.03	6	10	1.29	1	10	0.99		
2	11	1.11	7	11	1.30	2	11	0.94		
3	12	1.15	8	12	1.28	3	12	0.71		
4	13	1.14	9	13	1.20	4	13	0.46		
5	14	1.07	10	14	1.02	5	14	0.35		
6	15	0.96	11	15	0.76	6	15	0.35		
7	16	0.79	12	16	0.33					
8	17	0.48	13	17	0.15					
9	18	0.31	14	18	0.14					
10	19	0.20	MW : Meteorological Week; WAS : Weeks after sowing							
11	20	0.18								

Table 3 : Cropwise Polynomial equations for deriving crop coefficient

Sr. No.	Crop	Polynomial Equation
1	Bt. Cotton	$Y = 0.303 (t/T)^5 + 17.54(t/T)^4 + 36.01 (t/T)^3 + 21.52(t/T)^2 - 2.620(t/T) + 0.651$
2	Pigeon Pea	$Y = 14.03(t/T)^5 - 38.73(t/T)^4 + 30.72(t/T)^3 - 7.368(t/T)^2 + 0.964(t/T) + 0.583$
3	Soybean	$Y = 35.84 (t/T)^5 - 84.10(t/T)^4 + 61.29(t/T)^3 - 14.04(t/T)^2 + 0.953(t/T) + 0.616$
4	Safflower	$Y = 57.66(t/T)^5 - 130.9(t/T)^4 + 93.58(t/T)^3 - 21.82(t/T)^2 + 1.156(t/T) + 0.615$
5	Wheat	$Y = 10.39(t/T)^5 - 29.20(t/T)^4 + 25.15(t/T)^3 - 10.06(t/T)^2 + 3.294(t/T) + 0.515$
6	Gram	$Y = 39.50(t/T)^5 - 84.53(t/T)^4 + 53.90(t/T)^3 - 9.204(t/T)^2 + 0.055(t/T) + 0.631$
		Here : Y : Crop Coefficient, t = Days after sowing / planting, T = Crop Period

Food Technology :

8. It is recommended that good quality watermelon rind candy can be prepared by using 2% CaCl₂ with different flavours and dried in cabinet dryer at 50⁰C temperature for 6 h time.
9. It is recommended that good quality acceptable probiotic Shrikhand can be prepared by adding 0.75 per cent Psyllium husk and 2 per cent Lactic acid bacteria.
10. Good quality of nutra laddu prepared by using linseed (40%), popped amaranth (20%), jaggrey (30%), honey (10%) and guar gum (0.3%) is recommended.
11. For the preparation of good quality, fresh turmeric rhizome-based orange RTS beverage, the addition of 10 per cent fresh turmeric rhizome juice in 90 per cent orange juice is recommended.
12. The use of bael fruit pulp and aonla fruit pulp in 50:50 proportions with addition of 30 per cent sugar and 0.5 per cent citric acid is recommended for the preparation of good quality mixed fruit leather. The aluminium foil packaging is recommended for its better storage.
13. For the preparation of good quality, acceptable natural jamun bar, utilization of only pulp is recommended. The shelf life of prepared jamun bar was six months with packaging in aluminium foil at room temperature.
14. Nutritious, green coloured fenugreek noodles prepared with addition of 30g fenugreek puree per 100g of refined wheat flour is recommended.
15. The antinutritional factor Saponin, in Quinoa seeds can be significantly reduced by soaking the seeds in 2% citric acid solution for overnight. Cookies can be prepared by using 40% Quinoa flour with better nutritional and sensorial properties.

Home Science :

16. VNMKV prepared folder on Growth quotient assessment of children and its multiple benefits and the School age children's developmental milestones check list are recommended for parents, teachers and child care professionals to make use it for care and development of school age children.
17. It is recommended that VNMKV Parbhani developed *Lentflaxmix* utilizing lentil 38%, flax seeds 25% , groundnuts 12% , gingelly seeds 7%, cumin seeds 1%, coriander 1%, cooking oil 16% and salt and *Kastapuri* prepared with wheat flour 38%, barnyard millet flour 22% , 92engal gram dal flour 20%, omum 0.5%, drumstick leaves powder 1.5% , cooking oil 18% and salt had low glyceamic index value. Hence, snacks can be used by the diabetic subjects.
18. It is recommended that deoiled coconut meal can be utilized for preparation of value added bakery products viz. Cookies and Nankatai. There is increase in the protein, minerals, fiber, calcium and iron content in Cookies with 20 per cent and in Nankatai with 35 per cent in corporation of deoiled coconut meal. Hence, these products will be beneficial for growing children, adolescents, pregnant women, lactating mothers, old people and underweight individuals.

19. VNMKV developed Low Glycemic Index products viz Mix Pulse Roll (GI 36.96), Millet Namkeen (GI 34.53), Millet Mix (GI 30.22), Multigrain Roti (GI 39.77) and Khichadi (GI 40.90) are recommended in the daily diet plan of diabetic people.
20. VNMKV, Parbhani developed Pearl Pop snack consumption 50g daily for a period of 60 days is recommended to increase the level of haemoglobin.
21. VNMKV low cost technology basket consisting of seven technologies (viz. digging tool, earthing up tool, finger guards, new khurpi, hand wears, wooden rake and fertilizer bag) is recommended for drudgery mitigation of farm women in turmeric production system.
22. VNMKV developed sapling carrier is recommended for transplanting with hand lever operated trans-planter for drudgery reduction of the farm women.
23. It is recommended that eco-friendly, multipurpose textile fibers can be extracted from dry corn husk.

Soil Science :

24. It is recommended that very shallow soils (20-25 cm), silty clay loam, underlined by medium hard to hard murrum layer soils (Entisols) are to be selected for higher production of custard apple.

Dry land Agriculture :

25. The value of exponent 'm' in Modified Universal Soil Loss Equation (MUSLE) for Parbhani station is recommended as 0.50. On this basis, the following VNMKV developed model (equation) is recommended for estimation of soil loss from small agricultural fields. $S = 11.8 (Q \times q)^{0.50} KLSCP$

Extension Education :

26. From the study, high utility of Agro Tech VNMKV mobile app was observed amongst the farmers, hence, it is recommended that extension functionaries such state department of agriculture, University's extension system, KVKs etc should create awareness among the farmers about use of various mobile apps developed by VNMKV, Parbhani.
27. The favourable attitude among agricultural students towards entrepreneurship can be converted into successful entrepreneur by organising various courses, training, hands-on training, seminars and workshops etc by inviting agribusiness practitioners, other professionals. Establishment of business Incubation centre at University level is recommended.
28. It is recommended that through various extension agencies viz. State Agriculture Department, State Agricultural Universities, Krishi Vigyan Kendra etc. training to be organized on use of Soil health card and as per recommendations how to calculate fertilizer doses for effective use of soil health card.
29. Construction of farm pond had increased in sustainable crop productivity, protective irrigation and initiation in cultivation of horticultural crop. It is recommended that various extension agency viz. State department of Agriculture, Universities and Krishi Vigyan Kendra make efforts for horizontal spread of construction of farm pond among farmers.

Economics:

30. In Parbhani and Latur markets, short run disequilibrium in chickpea prices was observed, so it is recommended that to attain the short run equilibrium in chickpea prices quick and live price dissemination system may be developed by Agricultural Produce Market Committee.
31. It is observed from the study that productivity of pigeon pea has not increased significantly during last thirty years in Parbhani and Nanded districts of Marathwada, so it is recommended that the efforts may be made to disseminate improved pigeon pea production technology through extension agencies to improve the productivity levels particularly in Parbhani and Nanded districts.

Year -2021-22

Agronomy

1. Post emergence application of Fluazifop-p-butyl 11.1% + Fomesafen 11.1% @ 250 g a.i /ha at 20 to 25 days after sowing or Pre emergence application of Diclosulam 84% @ 26 g a.i/ha and 1 Hoeing 20 to 25 days after sowing is recommended for effective weed control and higher net returns in soybean.
2. In Marathwada region for higher yield, net monetary return and water use efficiency of summer okra, it is recommended to schedule alternate day drip irrigation at 80% of crop evapotranspiration through inline lateral laid at the center of raised bed having top width of 90 cm and two rows of okra sown at the spacing of 60cm x 30 cm and covered by 30 micron silver black polythene mulch.

Horticulture

3. The following Stepwise regression equation showing the inter-relationship between yellow vein mosaic virus (YVMV) disease in okra and weather parameters is recommended for forewarning of yellow vein mosaic disease incidence in the Marathwada region.
4. Turmeric seedlings prepared through rhizome cuttings having one eye bud raised in cocopeat is recommended for cost effective cultivation of turmeric.
5. On the basis of earliness, yield, curcumin content and maximum monetary return, Selam variety of Turmeric was found highest among the rest of varieties of turmeric, hence, the Selam variety is recommended for cultivation under Marathwada condition.

Animal Husbandry and Dairy Science

6. The technology for preparation of kurdi from wheat batter (PBN-51) using paneer whey as soaking agent for 4 days at room temperature was developed by which the protein content in kurdi was increased

Agri. Engineering :

7. VNMKV developed process technology is recommended for the production of osmo-convectively dried 5 mm thick orange slices with peel having shelf life of 150 days,

vacuum packed in Coax pouch. as per given optimized process parameters:
Temperature of sugar syrup: 50°C

- Concentration of sugar syrup: 60°B
 - Immersion time: 4 hrs
 - Air drying temperature: 60°C
 - Moisture content of dried slice: 12%
8. VNMKV developed Solar operated bird/animal scarer cum light insect trap is recommended for plant protection by deterring the birds/animals and for trapping the insects in different crops .
 9. Estimation of week wise water requirement after planting of *kharif* green chili, rabi tomato and rabi cabbage under Parbhani condition VNMKV developed crop coefficients or polynomial equations are recommended.
 10. For domestic roof water harvesting system (DRWH) soak pit 2 m in diameter and 2 m depth, construction of 0.10 m thick brick wall and filled in three layers, 0.10 m upper layer of fine aggregates, 0.10m middle layer coarse aggregates and 1.80m bottom layer of 1/3 batt bricks is recommended for increasing ground water recharge.

Food Technology :

11. It is recommended that 30% flaxseed can be utilized for good quality, acceptable sesame-flaxseed nutra chikki and 3 months storage at ambient temperature.
12. For the preparation of good quality whole lime- aloe vera spread, the use of lime pulp, lime peel pulp and aloe vera juice in ratio 60:40:40 with 3 g of spices having 680 Brix can be stored up to 3 month at ambient condition is recommended .
13. It is recommended that good quality of plain and flavoured aonla fruit balls can be prepared by treating with salt (3%), alum (2%), ginger flavor (1%) and blending whole mature aonla fruits to sugar ratio (1:1) for 12 days and drying at 55°C for 5.5 h.
14. It is recommended that a good quality acceptable spice extract incorporated Lime RTS, with maintaining microbial and storage condition can be prepared by adding 10 % lime juice, 0.9 % spice extract, 0.3 % acidity and 120 brix using Jaggary.
15. It is recommended that the incorporation of 5% guar seed hull in cookies improved dietary fiber.
16. It is recommended that Chocolate flavored milk with addition of 0.4 percent blend of guar and arabic gum improved overall quality attributes.
17. Amongst investigated varieties PVRSG-101 cultivar of tender sweet sorghum was found suitable for hurda making, considering its sensory and high yielding characteristics. Treatment of balancing with 0.2% MgO for 2.5 min, packed in HDPE at 40°C temperature was found most suitable for storage up to 30 days.

18. It is recommended that good quality acceptable probiotic chocolate can be prepared by using 3 per cent Bael Fruit Extract and 10 per cent Lactic Acid Bacteria culture.

Home Science :

19. It is recommended that 20 percent horse gram flour can be incorporated for increasing protein, total minerals, fiber, calcium, iron and zinc content of Salty Biscuits and Cookies.
20. VNMKV developed designs of shirt DS2 and pant DP2 are recommended to use by arthritic men as their acceptability index was found higher.
21. VNMKV Parbhani developed stretchable sari blouse for women use diagonal direction of woven fabric has been recommended .
22. For eco-friendly, anti-microbial finish on cotton fabric use of two percent Aonla leaves extract, taken out in 70% ethanol is recommended .
23. VNMKV Parbhani developed featured face mask of double layered poplin lined with muslin single layered cloth is recommended to use for protection from COVID 19 .
24. VNMKV developed low cost technology basket is recommended for drudgery mitigation and to increase the work output in women dominating activities in ginger production system.
25. It is recommended that for avoiding adverse effects on child development, families need to keep their children away from excessive use of television and cell phones and instead of it, encourage them to indulge in constructive recreational activities such as outdoor games, reading, music and dance , household work and family care activities. Similarly they should be given adequate time and necessary facilities for it.
26. VNMKV developed dietary fiber rich (28.74 g/100g) ready to use multigrain mix is recommended to include in daily diet of obese women in the form of Upma, Roti and Dhirde for weight reduction.
- 27 Light weight, wearable plastic Vishram field stool of 120mm height is recommended for reducing WMSDs (Work related Musculoskeletal Discomfort) of women farmers while performing repetitive farming tasks in squatting /bending posture such as planting, hand weeding and stubble collection.

Soil Science :

- 28 In Inceptisols of Marathwada region, in order to obtain maximum yields , monetary return from kharif soybean and for the improvement in soil properties application of recommended dose of fertilizer (30: 60:30 kg N,P2O5 and K2O/ha) along with tank silt @ 5 t ha⁻¹ + FYM @ 2.5 t ha⁻¹ Or tank silt @ 10t ha⁻¹ with RDF is recommended.

Production Technology

- 29 For getting higher grain yield and monetary return cultivation of *rabi* maize hybrid with plant spacing 75 x 20 cm² (66666 plants / ha) is recommended.
- 30 Application of 150:75:75 NPK kg ha⁻¹ is recommended for high density planting of *Bt* cotton (90 x 30 cm; plant density 37,037 ha⁻¹) under rainfed condition to increase seed cotton yield, lint yield and monetary returns.
- 31 Sowing of *Bt* cotton on BBF prepared by tractor along with pre and post emergence application of recommended weedicides and spraying of crop protection chemicals by tractor drawn sprayer is recommended for lower labour requirement, higher yield and net returns.
- 32 It is recommended to undertake the seed treatment of bioagent *Trichoderma harzianum* liquid formulation @ 10ml per kg of seed for effective charcoal rot disease management in *Rabi* sorghum growing area of Maharashtra.
- 33 Soybean seed sample harvested from kharif seasons and stored at ambient temperature should be not taken to evaluate seed germination during the month of April and May. However, it is most promising to obtain seed germination percentage as minimum seed certification standards, if before test seeds stored at temperature 20^o and relative humidity 75 %, during the month of March to May.

Extension Education :

34. It is recommended that wide spread trainings for Management of Fall Army Worm through community approach be organized by various extension functionaries.
35. It is recommended to develop the entrepreneurship capability of agriculture students by organizing motivational lectures of successful agricultural entrepreneurs and corporate entrepreneurs at every college level and effectively implementation of Students READY (Rural Entrepreneurship Awareness Development Yojana) programme and arrange the exposure visit to the industry.
36. It is recommended to create the awareness among the agro input dealers about insecticide label claims and toxicity label through frequently organize the training particularly before kharif season by extension agencies such KVKs, State Dept of Agriculture etc in the Marathwada region.
37. It is recommended to create single mobile app for agro input dealers and farmers use by CIBRC or Agriculture University or State Department of Agriculture which includes all information about insecticide label claims and toxicity label in local language and update it regularly when new insecticides approved or banned by

CIBRC and it also includes mobile calculator for calculating the recommended dose of insecticide for respective crop

Economics:

38. Due to adoption of improved production technologies developed by VNMKV, Parbhani, Pigeon pea farmers has economically benefitted around 40 per cent through yield enhancement with a net benefit of rupees 14065 per hectare. Therefore it is recommended that, the farmers in Marathwada region should adopt the improved production technologies of Pigeon pea developed by VNMKV, Parbhani
39. Long term performance analysis of Soybean and Safflower on area, production and productivity at disaggregate level showed that, soybean productivity is continuously decreasing and moderately instable in Nanded, Parbhani and Hingoli district, however area and production of safflower is decreasing in all the districts of Marathwada region, therefore it is recommended that, pilot project on oilseeds may designed for Marathwada region to transfer the improved production technology package in addition to critical inputs (Seeds, Biofertilizers, Micronutrients, etc.) at farmers level

Year -2022-23

1. To get higher hurda, green fodder yield and monetary returns from hurda sorghum in summer season, it is recommended to complete the sowing up to 8th January in Marathwada region.
2. The following Stepwise regression equation showing the inter-relationship between yellow vein mosaic virus disease in okra and weather parameters is recommended for forewarning of yellow vein mosaic disease incidence during Summer season in the Marathwada region.

$$YVMV (\%) = -25.181 + 4.255 \times T_{min} - 1.040 \times RH1 + 6.567 \times WV$$

Where,

YVMV= Yellow Vein Mosaic Virus disease incidence (%), T_{min}= Minimum temperature (OC), RH1=Morning relative humidity (%) and WV=Wind velocity (Km/h)

3. The enhancement of drought tolerance, yield, monetary return and improvement in soil properties under wheat, seed treatment of liquid *Bacillus licheniformis* @ 100ml / 10 kg seed was found as promising for drought tolerance along with recommended dose of fertilizers and is recommended to rainfed wheat.
4. Very deep Vertisols (Typic Haplusters) contain CaCO₃ less than 15 per cent should be selected for sustainable and higher production of tamarind in Marathwada region of Maharashtra is recommended.

5. For the enhancement of pigeon pea yield, monetary returns and improvement in soil properties, seed treatment of liquid *Pseudomonas striata* as zinc solubilizer @ 100 ml/10 kg seed + application of 30 kg ZnSO₄ ha⁻¹ is recommended to pigeon pea along with recommended dose of fertilizers.
6. In Vertisol of Marathwada region, to get maximum yield and monetary returns of pigeon pea, application of K₂O and micronutrient grade-I @ 25 kg ha⁻¹ or micronutrient grade –II @ 0.5% at flowering stage is recommended in addition with recommended dose of fertilizer (i.e.25:50 N and P₂O₅ kg ha⁻¹).
7. To obtain higher grain yield and net monetary returns, it is recommended to apply 100 % RDF (80:50:50 Kg/ha) + Soil Application of Micronutrient Grade - I (25 kg/ha) or RDF 100 % (80:50:50 Kg/ha)+ Foliar Application of Micronutrient Grade-II (0.5 %) (2 Sprays at 30 and 50 DAS) for upland paddy in Marathwada region.
8. It is recommended to apply the 75 % RDF + FYM 5 t/ha to obtain highest rice grain yield and monetary returns and to obtain higher rice equivalent yield and monetary returns it is recommended to follow rice + soybean (3:2 in replacement series) intercropping system or rice + black gram (3:2 in replacement series) intercropping system for Marathwada region.
9. To obtain higher fodder yield and monetary returns from *kharif* forage sorghum, the application of fertilizer dose 100:50:50 NPK kg ha⁻¹ (50:50:50 N:P:K kg ha⁻¹ as basal dose and 50 N kg ha⁻¹ 30 DAS) is recommended for Marathwada region.
10. Soybean + pigeonpea (4:2) and Cotton + Soybean (1:1) biannual cropping system in rotation is recommended for rainfed area of Marathwada region to obtain higher seed / grain yield. The conventional tillage with RDF (50%) + FYM (@2.5 ton/ha) is also recommended for Soybean + pigeonpea (4:2) intercropping system. Similarly, the conventional tillage with RDF is recommended for Cotton + Soybean (1:1) intercropping system for obtaining higher yield as well as to improve the soil health and organic carbon.
11. Complete mechanisation or partial mechanisation along with Broad bed and furrow (BBF) method of sowing for soybean-safflower sequence cropping is recommended for obtaining higher seed yield, monetary returns and proper rainwater conservation.
12. Sowing of pigeonpea at crop geometry of 60-120 cm x 20 cm or 90 cm x 20 cm with foliar application of Brassinosteroids @ 0.1 ppm OR NAA @ 40 ppm, at bud initiation and flowering stage of pigeonpea is recommended for higher seed yield along with maximum economic returns.
13. For higher bulb yield and net monetary returns of summer onion in Marathwada region, it is recommended to schedule alternate day drip irrigation at 60 % crop evapo-transpiration through inline lateral laid at the centre of raised bed having six rows of onion planted at the spacing of 15 x 7.5 cm and drip fertigation of 80:40:40 N, P₂O₅, K₂O kg ha⁻¹ with N and K₂O in 10 equal splits @ 8 kg and 4 kg

respectively and P_2O_5 in 5 equal splits @ 8 kg ha⁻¹ at an interval of 7 days from transplanting to 70 days after transplanting.

Irrigation schedule for summer onion as per 0.6 ETc along with the volume of water required per plant (litre) and operating time for drip irrigation system with discharge rate of 2.4 lph and inline lateral of 16 mm diameter with emitters spaced at 30cm

Table : Irrigation schedule

M.W	Week After Sowing for irrigation	Volume of water required plant ⁻¹ (litre)	Operating time (min.)	Weekly Temperature ° C	
				Max.	Min.
3	Sowing to 1 st Week	0.023	14	30.3	12.2
4	In 2 nd WAS	0.024	14	30.4	12.1
5	In 3 rd WAS	0.026	16	30.0	11.1
6	In 4 th WAS	0.025	15	30.1	12.9
7	In 5 th WAS	0.043	26	32.0	13.4
8	In 6 th WAS	0.068	41	34.9	15.1
9	In 7 th WAS	0.070	42	34.5	14.7
10	In 8 th WAS	0.067	40	35.2	16.3
11	In 9 th WAS	0.074	44	35.4	18.6
12	In 10 th WAS	0.071	42	37.2	17.8
13	In 11 th WAS	0.078	47	39.5	19.2
14	In 12 th WAS	0.068	41	39.5	20.7
15	In 13 th WAS	0.061	37	40.1	21.5
16	In 14 th WAS	0.047	28	40.3	22.2
17	In 15 th WAS	0.050	30	42.0	22.5

Table: The fertigation schedule along with the quantity of water soluble fertilizers required is given below:

Sr. No.	Days after transplanting (DAT)	Fertilizer dose (80:40:40 N, P ₂ O ₅ , K ₂ O kg/ha)			Water soluble fertilizers (kg/ha)		
		N	P	K	Urea	12:61:0	0:0:50
1.	0-7	8	8	4	13.95	13.11	8
2.	8-14	8	8	4	13.95	13.11	8
3.	15-21	8	8	4	13.95	13.11	8
4.	22-28	8	8	4	13.95	13.11	8
5.	29-35	8	8	4	13.95	13.11	8
6.	36-42	8	-	4	17.36	-	8
7.	43-49	8	-	4	17.36	-	8
8.	50-56	8	-	4	17.36	-	8
9	57-63	8	-	4	17.36	-	8
10	64-70	8	-	4	17.36	-	8
Total		80	40	40	156.55	65.55	80

14. For higher seed yield and net monetary returns of pigeonpea in Marathwada region, it is recommended to schedule alternate day drip irrigation at 80 % crop evapotranspiration for the crop sown at the spacing of 150 x 30 cm through inline lateral laid at 150 cm apart and drip fertigation of 20:40:20 NPK kg ha⁻¹ in ten splits through WSF out of which 20 % N and 40 % P in two splits at 0-30 DAS, 30% N, P and 25 % K in three splits at 31-60 DAS, 30 % N, P and 40% K in 3 splits at 61-90 DAS and 20% N and 35 % K in two splits at 91-120 DAS.

Table: Irrigation schedule

M.W	Week After Sowing for irrigation	Volume of water required plant ⁻¹ (litre)	Operating time (min.)	Weekly Temperature ° C	
				Max.	Min.
26	Sowing to 1 st Week	0.46	12	33.2	22.8
27	In 2 nd WAS	0.46	12	32.3	22.9
28	In 3 rd WAS	0.52	15	31.2	22.6
29	In 4 th WAS	0.55	16	31.9	22.6
30	In 5 th WAS	1.23	34	30.6	22.4
31	In 6 th WAS	1.39	35	31.1	22.1
32	In 7 th WAS	1.30	33	30.2	22.2
33	In 8 th WAS	1.16	29	29.5	21.7
34	In 9 th WAS	1.78	51	30.6	21.4
35	In 10 th WAS	2.27	59	30.7	21.4
36	In 11 th WAS	2.55	64	31.7	21.2
37	In 12 th WAS	2.96	74	31.5	21.4
38	In 13 th WAS	2.34	58	31.5	21.8
39	In 14 th WAS	3.43	86	32.2	21.3
40	In 15 th WAS	3.87	100	33.2	20.6
41	In 16 th WAS	3.72	97	32.7	19.3
42	In 17 th WAS	4.01	107	32.3	19.1
43	In 18 th WAS	3.85	96	32.1	18.9
44	In 19 th WAS	3.65	91	31.9	16.9
45	In 20 th WAS	3.11	78	32.0	15.0
46	In 21 th WAS	2.58	64	32.0	14.1
47	In 22 nd WAS	2.19	58	31.1	15.2
48	In 23 rd WAS	1.85	49	30.0	13.7
49	In 24 th WAS	1.22	33	30.5	12.7
50	In 25 th WAS	0.69	19	29.9	14.8
51	In 26 th WAS	0.76	19	28.1	11.2

Irrigation schedule for pigeonpea as per 0.8 ETC along with the volume of water required per plant (litre) and operating time for drip irrigation system with discharge rate of 2.4 lph and inline lateral of 16 mm diameter with emitters spaced at 30cm.

Note : Irrigation may be scheduled on alternate day.

Table: The fertigation schedule along with the quantity of soluble fertilizer required is given below:

Duration (Days)	No. of splits	Time of application	Fertilizer dose (20:40:20 NPK Kg/ha)			Soluble fertilizers (kg/ha)		
			N	P	K	Urea	12:61:0	0:0:50
01-30	2	10 and 20 DAS	4	16	-	1.86	13.11	-
31-60	3	31, 40 and 50 DAS	6	12	5	7.89	19.67	10
61-90	3	61, 70 and 80 DAS	6	12	8	7.89	19.67	16
91-120	2	91 and 110 DAS	4	0	7	8.68	-	14
Total	10	-	20	40	20	26.32	52.45	40

15. Cultivation of Carom seed (Ajwain) cv. AA-2 is recommended for gaining higher yield and net return in Marathwada condition during *rabi* season.
16. Cultivation of Fennel (Saunf) cv. AF-1 is recommended for gaining higher yield and net return in Marathwada region during *rabi* season.
17. Silver Black Polythene mulch is recommended for gaining higher yield and net return in brinjal during summer season under Marathwada condition.
18. It is recommended to prepare most acceptable and medicinally healthy *Shrikhand*, as per method developed by VNMKV, Parbhani by incorporation of encapsulated curcumin @ 0.04 per cent of *Chakka*.
19. VNMKV, Parbhani developed technology for preparation of *kurdai* from wheat batter (PBN-51) using *paneer* whey as soaking agent for 4 days at room temperature is recommended.
20. For preparation of chocolate coated date moth bean bar use of 50% dark chocolate, 40% date paste and 10% moth bean malt and storing it at 5⁰C up to 60 days is recommended.
21. Use of rice flour, horse gram malt, sugar, carrot powder and milk powder in the proportion of 60:20:10:5:5 for preparation of low density rice based nutrifood is recommended.
22. It is recommended that good quality acceptable probiotic beverage can be prepared by carrying out 20 hours fermentation of carrot and tomato juice (70:30 and 16⁰Bx) inoculated using 10 percent mixed culture of *Lactobacillus acidophilus* and *Saccharomyces boulardii* (1:1).
23. Preparation of good quality instant broccoli tomato soup mix by using mainly 15 percent broccoli powder and 45 percent Tomato powder is recommended.

24. It is recommended that good quality nutra cookies prepared by using mainly refined wheat flour and roasted flaxseed flour in the ratio of 90:10.
25. It is recommended to prepare good quality kiwi fruit - lemongrass RTS beverage by using kiwi fruit juice and lemongrass concentrated extract 10:2 proportion which has considerable ascorbic acid content.
26. It is recommended to prepare the noodles with improved nutritional and sensory qualities by using 90 per cent composite flour (70% wheat flour+30% sorghum flour) blended with 10 per cent chia seeds powder.
27. It is recommended that the pet dog food crackers be prepared by incorporation of 15% Guar Meal Protein Isolate to have higher protein content and palatability as per single bowl test.
28. Preparation of Pizza Sauce having higher acceptability and high content of dietary fibre using 7% partially hydrolyzed guar gum (PHGG) is recommended.
29. It is recommended that families need to involve grand parents in caring grand children as they are found to be playing vital role in child upbringing and which in turn enabling grandparents to lead happy, contented and dignified life.
30. It is recommended that intensive workshops have shown positive influence on anganwadi workers for enhancing their knowledge in the area of early childhood development and for their effective role performance, hence such effective and intensive workshops are recommended for their empowerment.
31. As intervention imparted by VNMKV found to be effective for empowering rural young women on reproductive, maternal and child health care is recommended for the use by the Dept. of women and child welfare.
32. Protein and Energy rich ready to use 100g nutrident mix (Wheat flour, Soyabean flour, Groundnut, Sunflower seeds, Skimmed milk powder and Sugar 20:20:10:20:20:10 respectively) is recommended to include in daily diet of underweight women in the form of Roti, Lapsi and Biscuits for gaining weight.
33. The set of VNMKV developed objective type tests is recommended for assessing managerial skill of homemakers related to time, money and human energy.
34. It is recommended that ecofriendly dye from waste and dry petals of red rose flowers can be utilized for dyeing cotton fabric
35. For management of pod borer complex of pigeonpea and getting higher yield with monetary returns, the spraying of bacillus thuringiensis @ 20 gm in 10 litre of water at 50% flowering stage and second spraying at pod development stage are recommended.
36. Based on optical properties of plastic mulches, 30 micron silver-black plastic mulch is

- recommended for controlling soil temperature and weed infestation of summer vegetable crops in vertisol.
37. VNMKV developed low cost packaging technology is recommended of applying an edible coating (6% Whey Protein Concentrate, 5% Glycerol 1% Potassium Sorbet Solution) on soypaneer and store it in vacuum packaging (LDPE 200 gauge) at refrigerated condition ($5 \pm 1^{\circ}\text{C}$) to enhance the shelf life of soypaneer up to 22 days.
 38. VNMKV developed combo-process technology is recommended for the production of steam blanched (2 min), freeze –thaw pretreated (freezing temperature : -25°C and thawing temperature : 5°C) osmo-convectively dried (syrup concentration : 50°Brix , syrup temperature : 50°C , immersion time : 4 h; tray drying temperature : 60°C) RTE carrot slices.
 39. Meteorological week wise reference evapotranspiration (mm/day) and GIS spatial maps developed by VNMKV for all tahsils of Marathwada region are recommended for irrigation planning and Scheduling.
 40. It is recommended that State Department of Agriculture (Govt. of Maharashtra) should organize training programmes for TSP beneficiaries on turmeric production technology, processing and marketing to get maximum returns.
 41. Use of social media among the extension personnel of the Marathwada region for extension purpose is increasing, hence it is recommended to establish a media lab at the university level for quick and effective production of agricultural technology based videos as per the demand of farmers and which are useful to share through social media.
 42. Use of social media among the extension personnel of the Marathwada region for extension purpose is increasing, hence it is recommended that Vasantrao Naik Marathwada Krishi Vidyapeeth, Parbhani should organize training programme on effective use of social media and e-content development in local language for dissemination of agricultural technology.
 43. To forecast the soybean prices in Latur market, it is recommended to use SARIMA time series model of order $(0, 1, 3) (0, 1, 1)_{12}$.
 44. It is recommended that the APMCs in Maharashtra should have the strong mechanism for price forecasting which will be helpful for the producers to make appropriate decision of marketing to get benefit of better prices as well as area allocation under the respective crop.

6.6.3.4 List of Research Papers (NAAS Ranking 5.00 or more) 2018-2023 Year 2018

Sr. No	Year	Title	Authors	Journals with NAAS Rating	Volume
Reasearch Stations					
1	2018	Impact of Morphometric Parameters and Change in Land Use on Peak Runoff Rates of Pingalgarh Watershed using Geospatial Techniques	Pendke M.S., G.Sreenivasan, B.W.Bhuibhar, A.S.Kadale U.M.Khodke	Journal of Agricultural Engineering, NAAS:5.55	Vol.55(1) 72-81
2	2018	Interrelationship of biomass yield, carbon input, aggregation, carbon pools and its sequestration in vertisols under long term sorghum-wheat cropping system in semi-arid tropics	Ashim Datta, Biswapati Mandal, Shrikant Badole, Krishna Chaitanya, S.P.Majumdar. Dhaneshwar Padhan, Nirmalendu Basak, Arjit Barman, Ritesh Kundu and W.N.Narkhede	Soil and tillage Research NAAS: 9.40	184 : 164-175
3	2018	Effect of different spacing on growth and yield of BBF raised summer groundnut (<i>Arachis hypogea</i> L.) under drip irrigation.	G.D. Gadade, R.V. Dhopte and U. M. Khodke	Int. J. Current Microbial. App. Sci. NAAS 5.38	Special issues 5 : 593-597.
4	2018	Yield and Economics of Summer Groundnut as Influenced by Different Irrigation Level and Mulches.	D.R. Kamble, D.N. Gokhale, G.D. Gadade and P.B. Jadhav	Int. J. Current. Microbiol. App. Sci NAAS 5.38	Special Issue-6: 135-139
5	2018	A Review on Molecular Approaches in Breeding for Abiotic Stress Tolerance	R.R.Dhutmal, S.P.Mehtre and A.G.Mundhe	Int J. Curr. Microbiol. App. Sci. NAAS 5.38	Special Issue-6: 808-815
6	2018	Quality attributes and economics of pigeon pea (<i>Cajanus cajan</i> (L.) Millsp.) influenced by irrigation and plant geometry	Y M Waghmare, M J Patange and DN Gokhale.	Journal of Pharmacognosy and Photochemistry NAAS 5.21	7 (2): 2015-2017
7	2018	Growth, Yield and Economics of Wheat Crop as Influenced by Integrated Nutrient Management Practices	P K Waghmare, M J Patange, A. M. Mule and W. N. Narkhede.	Int. J. Curr. Microbiol. App. Sci. (2018) NAAS 5.35	Special Issue-6: 933-939

Research Support

8	2018	Studies on grain mold tolerance in kharif sorghum (<i>Sorghum bicolor</i> L.)	RR Dhutmal, AW More, SP Mehtre and KR Bhakad.	Journal of Pharmacology and Phytochemistry NAAS: 5.21	7 (5): 430-434
9	2018	Production potential and profitability of soybean (<i>Glycine max</i> (L.) Merrill) as influenced by different production factors.	Karle A. S., R. V. Gite, G. S. Khazi and D. N. Gokhale	Journal of Oilseeds Research. 2018. (NAAS 5.02)	35 (1) 74-76.
10	2018	Integrated weed management approaches in Soybean + Pigeonpea (4:2) intercropping system	Khazi G. S., A. S. Karle and Mirza I. A. B.	Journal of Pharamacognosy and phytochemistry (NAAS 5.21)	2405-2408
11	2018	Effect of Levels and Sources of Sulphur on Yield, Quality and economics of Niger. 2018. International	Chavan A. A., N. K. Kalegore and A. S. Karle	International J. Curr. Microbiol. App. Sci. (NAAS 5.38)	SPI 6 P. No. 1056-1060).
12	2018	Knowledge and adoption of khoa production practices in osmanabad district of Marathwada region	S. G. Puri, P. N. Karanjikar and K. K. Nand.	International Journal of Current Microbiology and Applied Science NAAS 5.38	Issue 6 : 2285-2293
13	2018	Major constraints faced and socio – economic impact of khoa production on producers of major khoa producing areas of Marathwada region	Kamble N. S., G. K. Londhe and S. G. Puri.	Journal of Pharmacognosy and Phytochemistry, NAAS 5.21	Issue 7 (5): 378-380
14	2018	Influence of potassium levels and plant density on the intensity of sigatoka leaf spot disease of banana.	R.V.Deshmukh, S.V.Dhutraj and C.N.Kale	Multilogic in science NAAS 5.21	Vol. VIII, Issue XXVI,
15	2018	Study on economic traits of bivoltine silkworm hybrids on V1, Mulberry variety of <i>Morus alba</i> .	A.J.Tekule, C.B.Latpate, VL Somwanshi and Y.B.Matre	International journal of chemical studies ITCS NAAS 5.53	6(5) : 741-743
16	2018	Effect of neonicotinoids ic. acetamiprid 20 % SP on foraging behavior of honey bee on safflower (<i>C.tinctorius</i> L.Telangre AH,	Matre Y.B, Dr. Latpate C.B and Dr. Zanwar P.R	International journal of chemical studies ITCS NAAS 5.53	6(5) : 185-188
17	2018	Study of the rearing performance of single and double hybrids of silkworm (<i>Bombyx mori</i> L.) under Maratwada condition.	Muncmanik R.M, Dr.Latpate C.B and Sable G.S.	Journal of Entomology and zoology studies JEZS NAAS 5.34	6(6) : 775-777

Research Support

18	2018	Seasonal incidence of major insect pests and their coorelation with whather parameters in cottion	A.D.Sarode, Dr.Zanwar P.R, Matre Y.B and Dr. Latpate C.B	Journal of Entomology and zoology studies JEZS NAAS 5.34	8(4) : 1371-1374
19	2018	Thermal utilization and heat use efficiency of Green Gram varieties under different sowing dates.	D.S. Bankar, S.B. Pawar and Y.E. Kadam	International Journal of current Microbiology and applied sciences NAAS 5.38	7 (10), 2018
20	2018	Effect of different soil types on the growth of <i>R. solanacearum</i>	R.V.Kadam and G.P.Jagtap	International Journal of current Microbiology and applied sciences NAAS 5.38	7(11) 2018
21	2018	Survey on Powdery Mildew of Cucumber in Aurangabad and Jalna Districts, India	S.M.Wahul, G.P.Jagtap, K.A.Rewale and R.P.Bhosale	International Journal of current Microbiology and applied sciences NAAS 5.38	7(10) 2018
22	2018	<i>In Vitro</i> Evaluation of various fungicides against <i>Erysiphe cichorocearum</i> in Polyhouse	S.M.Wahul, G.P.Jagtap, K.A.Rewale and R.P.Bhosale	International Journal of current Microbiology and applied sciences NAAS 5.38	7(10) 2018
23	2018	Evaluation of organic amendmets against <i>Ralsonia solanacearum</i> causing bacterial wilt of Ginger	R.V.Kadam and G.P.Jagtap	International Journal of current Microbiology and applied sciences NAAS 5.38	(6) 2018
24	2018	Field biology of pigeonpea pod fly, <i>Melanagromyza 107btuse</i> (Malloch)	B Chiranjeevi and N R Patange	Journal of Entomology and Zoology Studies NAAS 5.34	6(1): 717-719
25	2018	Evaluation of Some Pigeonpea Genotypes for Their Response against Pod Fly, <i>Melanagromyza 107btuse</i> (Malloch) Infestation	B Chiranjeevi, N R Patange and P G Chandile	Int. J.Curr.Microbiol. App.Sci NAAS 5.38	7(3): (2018)
26	2018	Identification of pigeonpea superior genotypes against infestation of pod fly, <i>Melanagromyza 107btuse</i> (Malloch) (Diptera: Agromyzidae)	Chiranjeevi Badabagni and Neetin Ramdas Patange	Journal of Pharmacognosy and Phytochemistry NAAS 5.21	7(3): 2018
27	2018	Weight loss in seeds of different pigeonpea genotypes due to <i>Melanagromyza 107btuse</i> (Malloch) (Diptera: Agromyzidae) damage	B Chiranjeevi and N R Patange	Journal of Entomology and Zoology Studies NAAS 5.34	6(4): 2018

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28	2018	Observations on pigeonpea pod fly <i>Melanagromyza obtusa</i> (Malloch) and its parasitoids	N R Patange, B Chiranjeevi and OP Sharma	Indian Journal of Entomology 80 (Online published), IJE NAAS 5.89	17096, 2018
29	2018	Bioefficacy of newer insecticides and botanicals against population of pigeonpea pod fly, <i>Melanagromyza 108btuse</i> (Malloch)	B Chiranjeevi and N R Patange	Journal of Entomological Research NAAS 5.05	42 (3) : 2018
30	2018	Induced mutagenesis in rabi Sorghum	S.B. Deshmukh A.B.Bagade and A.K. Choudhari	International Journal of current Microbiology and applied sciences NAAS 5.38	Special issue- 6, 2018
31	2018	Study of genetic variability and heritability among rabi Sorghum mutants	S.B. Deshmukh, A.B.Bagade and A.K. Choudhari	International Journal of current Microbiology and applied sciences NAAS 5.38	Special issue- 6, 2018
32	2018	Agroclimatic characterization of Cotton under Parbhani district of Marathwada region	V.R. Dendage, A.M. Khobragade, A.B. Bagade	Journal of Pharmacognosy and Phytochemistry NAAS 5.21	7 (2), 2018
33	2018	Development of regression model to predict the seed cotton yield with meteorological variables	V.R. Dendage, A.M. Khobragade, A.B. Bagade	Journal of Pharmacognosy and Phytochemistry NAAS 5.21	7 (2), 2018
34	2018	Heteorosis analysis in Chickpea (<i>Cicer arietinum L.</i>)	V.B. Rathod, S.B. Sarode, S.S. Kamble	International Journal of current Microbiology and applied sciences NAAS 5.38	Special issue- 6, 2018
35	2018	Combining ability analysis in Chick pea (<i>Cicer arietinum L.</i>)	V.B. Rathod, S.B. Sarode, S.S. Kamble	International Journal of current Microbiology and applied sciences NAAS 5.38	Special issue- 6, 2018
36	2018	Survey on Incidence of Dry Root Rot of Sweet Orange in Aurangabad and Jalna District of Marathwada Region, India	S. A. Padvi, P. B. Khaire V H Bhagat and D G Hingole	International Journal of current Microbiology and applied sciences NAAS 5.38	7 (7)
37	2018	Studies on Cultural, Morphological Variability in Isolates <i>Fusarium solani</i> , Incitant of Dry Root-rot of Sweet Orange	S. A. Padvi, P. B. Khaire V H Bhagat and D G Hingole	International Journal of current Microbiology and applied sciences NAAS 5.38	7 (7)

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38	2018	<i>In vitro</i> bio-efficacy of botanicals and organic amendments against dry root rot of Safflower	Gawande, P.N., Gholve, V.M and Ghuge, S.B.	Int. J. Curr. Microbiol. App. Sci NAAS 5.38	7(11)
39	2018	Survey of safflower fields to record the incidence and intensity of dry root rot in districts of Marathwada region	Gholve, V. M., Ghuge, S. B, Pawar, S. V. and Gawande, P. N.	Int.J.Curr.Microbiol.App.Sci NAAS 5.38	Special Issue-6
40	2018	Effect of weather parameters on crop growth, development and yield of kharif cotton varieties under extended sowing times.	Dakhore K. K. and Y. E.Kadam	International Journal of current Microbiology and applied sciences NAAS 5.38	7(12):pp-3411-3418.
41	2018	Chemical alternatives for management of defoliating pests of groundnut	NE Jayewar, DD Patait, RY Khandare	International Journal of Chemical Studies NAAS 5.31	6(6)
42	2018	Effect of split application of fertilizers on growth, yield and economics of <i>Bt</i> Cotton hybrid under rainfed condition.	A. D. Pandagale., G. L. Kadam, K. S. Baig and S. S. Rathod.	International Journal of Current Microbiology and Applied Sciences (NAAS 5.38)	Special Issue – 6: 373-378
43	2018	Effect of weedicides on weeds and yield of <i>Bt</i> cotton (<i>Gossypium hirsutum</i> L.).	A. D. Pandagale, K. S. Baig, S. S. Rathod and T. B. Namade.	Journal of Pharmacognosy and Phytochemistry NAAS - 5.21)	7(5): 399-401.
44	2018	Effect of number of plants per hill in respect to plant geometry in <i>Bt</i> cotton (<i>Gossypium hirsutum</i> L.) under rainfed condition.	A. D. Pandagale, K. S. Baig, S. S. Rathod and T. B. Namade.	Journal of Pharmacognosy and Phytochemistry NAAS - 5.21)	7(5): 477-479.
45	2018	Performance of long linted <i>desi</i> cotton (<i>Gossypium arboreum</i> L.) genotypes for yield and fibre quality parameters under rainfed condition	V.N Chinchane and K.S.Baig	Journal of Pharmacognosy and Phytochemistry (NAAS - 5.21)	7(5): 3409-3411.
46	2018	Yield and fibre quality parameter studies in upland cotton under rainfed condition	A.R.Gaikwad and K.S. Baig	Journal of Pharmacognosy and Phytochemistry (NAAS - 5.21)	7(5): 474-476.
47	2018	Performance of arboreum cotton genotypes as influenced by high density planting system and different nutrient levels	J.D. Gaikwad, V.N. Chinchane, K.S. Baig, P.K. Waghmare and M.D. Gaikwad	International Journal of Current Microbiology and Applied Sciences (NAAS - 5.38)	Special Issue 6: 2315-2319.

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48	2018	Effect of Post-Harvest Chemical Treatments on Physico-Chemical Quality and Shelf Life of Custard Apple (<i>Annona squamosa</i> L.) During Storage	L.V. Pimpalpalle, V.S. Khandare and Y.A. Gaonkar	International Journal of Current Microbiology and Applied Sciences NAAS 5.38	Special Issue-6: 1649-1658
49	2018	Effect of heat treatments on polyphenol oxidase (Ppo) activity of custard apple (<i>Annona squamosa</i> L.) pulp	LV Pimpalpalle, VS Khandare and YA Gaonkar	Journal of Pharmacognosy and Phytochemistry NAAS 5.21	7(1): 1661-1664
50	2018	Influence of post harvest treatments on shelf life of banana (<i>Musa paradisica</i> L.) cv. Grand naine	S. J. Syed, V. S. Khandare, G. M. Waghmare	Multilogic In Science NAAS 5.21	Vol. VII
51	2018	Effect of 28-Homobrassinolide, CPPU, GA3 and Humic Acid on Quality and Shelf-Life of Sapota (<i>Manilkara achras</i>) CV. Kalipatti Harvested in Winter	S. R. Barkule, B. N. Patel and R. D. Baghele	International Journal of Current Microbiology and Applied Sciences NAAS 5.38	Special Issue-6
52	2018	Management of chilli powdery mildew caused by <i>Leveillula taurica</i> (Lev.) Arn. Using fungicides	A. T. Daunde, V. S. Khandare and R. N. Wadikar	International Journal of Current Microbiology and Applied Sciences NAAS 5.38	(6) :388-392
53	2018	Analysis of genetic diversity in <i>Sclerotium rolfsii</i> causing collar rot of chilli by RAPD	A. T. Daunde, K. T. Apet and R. L. Chavan.	International Journal of Current Microbiology and Applied Sciences NAAS 5.38	7 (12):91-99
54	2018	Prevalence of collar rot of chilli caused by <i>Sclerotium rolfsii</i> Sacc. under the agro-climatic zones of Marathwada region of Maharashtra	A. T. Daunde, K. T. Apet, A. P. Suryawanshi and V. S. Khandare.	Journal of Pharmacognosy and Phytochemistry. NAAS 5.21	7 (4): 1905-1908.
55	2018	<i>In vitro</i> evaluation of induced systemic resistance (ISR) elicitors against collar rot of chilli caused by <i>Sclerotium rolfsii</i> Sacc.	A. T. Daunde, K. T. Apet and V. S. Khandare.	Journal of Pharmacognosy and Phytochemistry NAAS 5.21	7 (6): 336-339

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56	2018	Influence of weather parameters on YVMV incidence of okra varieties in summer season	Vadla Usha Sree, B.V. Asewar, A.T. Daunde, A.M. Khobragade and D.S. Perke.	International Journal of Current Microbiology and Applied Sciences NAAS 5.38	7(3) :1305-1310.
57	2018	Evaluation of sequential application of insecticides against pod borer of Pigeonpea (<i>Cajanus cajan</i> L. Millsp.).	Bantewad, S. D., D. K. Patil, and J. E. Jahagirdar	International Journal of Current Microbiology and Applied Science. NAAS Rating:5.38	7(9): 2442-2449.
58	2018	Effect of Organic and inorganic nutrient sources and their integrated nutrient management, economic efficiency, available N, P, K and microbial population in soybean (<i>Glycine max</i>) –Onion (<i>Allium cepa</i>) cropping sequence	W.N. Narkhede, R.N. Khandare, S.K. Nayak and G.S. Khazi	Indian Journal of Agronomy NASS- 5.55	ISSN: 0976-1975 62(2): 147-154
59	2018	Effect of Tillage Nutrient Management and Mulch on Productivity and Profitability of Cropping Sequences under Vertisols in Central Plateau Zone of Maharashtra.	W.N. Narkhede, R.N. Khandare, and G. S. Khazi and M. J. Bende	Indian Journal of Ecology NASS- 5.79	ISSN: 0976-1975
60	2018	Impact of Tillage Systems, Cropping Systems, Nutrient Management and Mulch on Crop Productivity and Profitability.	W.N. Narkhede, R.N. Khandare, and G. S. Khazi and M. J. Bende	Indian Journal of Ecology NASS- 5.79	
61	2018	Bioefficacy of newer insecticides on aphids of pomegranate. Journal of Entomology and Zoology Studies.	Dongarjal RP, Ilyas Md, and Shendge SA	Journal of Entomology and Zoology Studies. NAAS 5.34	Vol. 6 (3) : 1729-1732.
62	2018	Bioefficacy of newer insecticides on thrips of pomegranate.	Dongarjal RP, Ilyas Md, and Shendge SA	Journal of Entomology and Zoology Studies. NAAS 5.34	Vol. 6 (4) : 1034-1036.
63	2018	Stability analysis for yield and yield contributing traits in finger millet	B. R. Chavan, L. N. Jawale	Jour. of Pharmacognosy and Phytochemistry	7 (5), 296-300,

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64	2018	Estimation of rice yield and transplanting date by using satellite data in Karnataka state of India.	P O Bhutada and D C Lokhande	Journal of Pharmacognosy and Phytochemistry NAAS 5.21	7(6): 757-761
65	2018	Effect of foliar application plant growth regulators and micronutrients on growth and yield parameters of acid limes.	S.S. Tagad, M.B. Patil, S.G. Patil and D.P. Deshpande	Journal of Pharmacology and Phyto chemistry NAAS 5.21	Sept. 741-744
66	2018	Studies on combining ability for grain mould resistance parameters in sorghum (<i>Sorghum bicolor</i> (L.) Moench	D. G. Ingole , H. V. Kalpande, V. N. Chinchane and A. W. More	Int.J.Curr. Microbiol.App. SciNAAS 5.38	Special Issue-6: 1361-1367
67	2018	Heterosis for seed cotton yield and yield contributing traits in desi cotton (<i>Gossypium arboreum</i> L.)	K. K. Nand , V.N. Chinchane and S.G.Puri	Multilogic in science NAAS 5.20	Vol. VII, issue XXV:349-351
68	2018	Heterosis studies for qualitative and quantitative characters in cotton (<i>Gossypium arboreum</i> L.)	V. N. Chinchane , K. Duomai and G. R. Gopal	Int.J.Curr.Microbiol.App.Sci NAAS 5.38	Special Issue-6: 975-982
69	2018	Heterosis studies for fibre quality traits in desi cotton (<i>Gossypium arboreum</i> L.)	V. N. Chinchane , K. R. Thombre and N. E. Jayewar	Int.J.Curr.Microbiol.App.Sci NAAS 5.38	Special Issue-6: 983-989
70	2018	Combining ability studies for yield and its components in desi cotton (<i>Gossypium arboreum</i> L.)	V. N. Chinchane, V. S. Patil and D. G. Ingole	Int.J.Curr.Microbiol.App.Sci NAAS 5.38ci	Special Issue-6: 1368-1372
71	2018	Studies on genetic variability for yield and yield contributing traits through induced mutation in desi cotton (<i>Gossypium arboreum</i> L.)	V. S. Patil, H. V. Kalpande, V. N. Chinchane and S. K. Chavan	Int.J.Curr.Microbiol.App.Sci NAAS 5.38	Special Issue-6: 1373-1382
72	2018	Correlation and path coefficient analysis for seed cotton yield and its components in desi cotton (<i>Gossypium arboreum</i> L.)	V.N. Chinchane, D.G. Ingole and A.V. Avtade	Journal of Pharmacognosy and Phytochemistry NAAS 5.21	7(5): 419-422
73	2018	Heterosis for seed cotton yield and fibre quality characters in desi cotton (<i>Gossypium arboreum</i> L.)	V.N. Chinchane, S.B. Borgaonkar and G.R. Gopal	Journal of Pharmacognosy and Phytochemistry NAAS 5.21	7(5): 426-427

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74	2018	Combining ability studies for yield and yield contributing traits in <i>desi</i> cotton (<i>Gossypium arboreum</i> L.)	A.V. Shinde, D.B. Deosarkar, B.R. Chavan, V.N. Chinchane and A.S. Kalambe	Journal of Pharmacognosy and Phytochemistry NAAS 5.21	7(5): 435-438
75	2018	Study of heterosis for yield and yield contributing traits in <i>desi</i> cotton (<i>Gossypium arboreum</i> L.)	A.V. Shinde , D.B. Deosarkar , V.N. Chinchane , A.S. Kalambe , N. Harshika	Int.J.Curr.Microbiol.App.Sci NAAS 5.38	7(8): 4247-4255
76	2018	Combining ability Studies in CMS based and conventional hybrids of cotton (<i>G. hirsutum</i>)	G.R. Gopal , D.B. Deosarkar and V.N. Chinchane	Int.J.Curr.Microbiol.App.Sci NAAS 5.38	7(8): 4256-4265
77	2018	Stability analysis for seed cotton yield and its component traits in hybrids of <i>desi</i> cotton (<i>Gossypium arboreum</i> L.)	V.N. Chinchane , D.B. Deosarkar and H.V. Kalpande	Int.J.Curr.Microbiol.App.Sci NAAS 5.38	7(9): 1000-1012
78	2018	Studies on heterosis and heterobeltiosis for seed yield and yield attributing traits of sunflower (<i>Helianthus annuus</i> L.) in saline soil of west Bengal.	S. S. Lakshman., N. R. Chakrabarty., M. K. Ghodke and P. C. Kole	Journal of crop and weed NAAS 5.28	14 (1) 90-98.
College of Agriculture Parbhani					
Agricultural Botany					
79	2018	Genetic Variability, Heritability and Genetic Advance in Sweet Grain (<i>Hurda</i>) Sorghum [<i>Sorghum bicolor</i> (L.) Moench]	H.V. Kalpande, A.W. More, R.L. Aundhekar and R.R. Dhutmal	Int. J. Curr. Microbiol. App. Sci. Special Issue NAAS: 5.38	6 : 400-405
80	2018	Genetic Divergence Studies in Sorghum (<i>Sorghum bicolor</i> L.) Land Races for Yield and Yield Parameters	A.W. More, H.V. Kalpande and R.R. Dhutmal	Int. J. Curr. Microbiol. App. Sci. Special Issue NAAS : 5.38	6 : 393-399
81	2018	Studies on Combining Ability for Grain Mould Resistance Parameters in Sorghum (<i>Sorghum bicolor</i> (L.) Moench)	D.G. Ingole, H.V. Kalpande, V.N. Chinchane and A.W. More	Int. J. Curr. Microbiol. App. Sci. Special Issue NAAS : 5.38	6 : 1361-1367
82	2018	Genetic Diversity of Sorghum (<i>Sorghum bicolor</i> (L.) Moench) for Agronomic Traits and Shoot Fly Tolerance and Suitability for Winter Season	P. Sanjana Reddy, S.R. Gadakh and H.V. Kalpande	Indian J. Plant Genet. Resour NAAS : 5.12	31 (3) : 238-244

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83	2018	Studies on Genetic Variability for Yield and Yield Contributing Traits through Induced Mutation in <i>Desi</i> Cotton (<i>Gossypium arboreum</i> L.)	V.S. Patil, H.V. Kalpande, V.N. Chinchane and S.K. Chavan	Int. J. Curr. Microbiol. App. Sci. Special Issue NAAS : 5.38	6 : 1373-1382
84	2018	Correlation Studies for Grain Yield and Grain Mould Resistance Parameters in Sorghum (<i>Sorghum bicolor</i> (L.) Moench)	D.G. Ingole, D.B. Doesarkar, H.V. Kalpande and A.W. More	Multilogic in Science, NAAS : 5.20	Vol. VII, Issue XXV : 82-85
85	2018	A review on molecular approaches in breeding for abiotic stress tolerance	Dr. R. R. Dhutmal	International Journal of Current Microbiology and Applied Sciences,, NAAS 5.38	Special Issue – 6: 808-815
86	2018	Molecular marker techniques: A review	R. R. Dhutmal, A. G. Mundhe and A. W. More.	International Journal of Current Microbiology & Applied Sciences, NAAS 5.38	Special Issue – 6: 816-825
87	2018	Genetic variability, heritability and genetic advance in sweet grain (Hurd) sorghum (<i>Sorghum bicolor</i> (L.) Moench)	H. V. Kalpande, A. W. More, R. L. Aundhekar and R. R. Dhutmal.	International Journal of Current Microbiology and Applied Sciences, NAAS 5.38	Special Issue – 6:400-405
88	2018	Genetic divergence studies in sorghum (<i>Sorghum bicolor</i> L. Moench) landraces for yield and yield parameters.	A. W. More, H. V. Kalpande and R. R. Dhutmal.	International Journal of Current Microbiology and Applied Sciences, NAAS 5.38	Special Issue – 6:393-399.
89	2018	Studies on grain mold tolerance in kharf sorghum	R.R. Dhutmal, A.W. More, S. P. Mehtre and K. R. Bhakad	Journal of Pharmacognosy and Phytochemistry,NAAS 5.21	7 (Part-I): 430-434
90	2018	Genetic variability and heritability in sorghum (<i>Sorghum bicolor</i> L. Moench) Germplasm lines.	A.W. More, R.R. Dhutmal, Asgar Sayyad, S.P. Mehtre, and L.N. Jawale	Journal of Pharmacognosy and Phytochemistry, NAAS 5.21	7 (Part-I):.
91	2018	Stability analysis for yield and yield contributing traits in finger millets (<i>Eleusine coracana</i> L.) Gaertn	R. R. Dhutmal,	Journal of Pharmacognosy and Phytochemistry, NAAS 5.21	7 (5): 296-300.

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92	2018	Genetic variability for quality traits in finger millets (<i>Eleusine coracana</i> L.) Gaertn	R. R. Dhutmal	International Journal of chemical studies, NAAS 5.31	7(2): 1625-1628.
93	2018	Effect of Leaf nipping and flower removal on growth and yield of soybean	S. A. Kadam, D. G. Dalvi and D. B. Deosarkar	International journal current microbiology and applied sciences,, NAAS 5.38	special issue-6, PP 2270-2274
94	2018	Effect of genotypes and containers on physiological and biochemical changes during storage of soybean seed (<i>Glycine max.</i> L. merrill)	B. Sony Bhalchandra, N. Harshika Netha and D. G. Dalvi	International journal current microbiology and applied sciences, NAAS 5.38	special issue-6, PP 1836-1851
95	2018	Effect of gamma radiation on 296B Genotype of Sorghum (<i>Sorghum bicolor</i> L.)	JD Deshmukh, VS Pawar and DB Deosarkar	Int. J. Curr. Microbiol. App. Sci NAAS 5.38	Special Issue – 6: 128-134
96	2018	Estimation of variability in mutant 296B Genotype of Sorghum (<i>Sorghum bicolor</i> L.) in M ₂ Generation	JD Deshmukh, V S Pawar and HV Kalpande	Int. J. Curr. Microbial. App. Sci. NAAS 5.38	Special Issue-6: 120-127
97	2018	Study of heterosis in cowpea for yield and yield contributing characters (<i>Vigna unguiculata</i> L.)	M.P. Wankhade, M. R. Manjare, A. S. Kalambe and A. V. Shinde	Int. J. Curr. Microbiol. App. Sci. NAAS 5.38	Special Issue-6: 2347-2350
98	2018	Yield and fibre quality parameter studies in upland cotton under rainfed condition	A.R. Gaikwad	Journal of Pharmacognosy and Phytochemistry, NAAS 5.21	7(5): 474-476
99	2018	Molecular characterization of sorghum (<i>Sorghum bicolor</i> L. Moench) germplasm by using SSR marker	A.R. Gaikwad	The Pharma Innovation Journal NAAS 5.03	8(4): 1204-1209
Entomology					
100	2018	Evaluation of newer chemical insecticides in comparison with botanicals against coccinellids, spiders, and <i>Chrysopa</i> in pigeon pea	RG Masal, PS Neharkar, Pravina S Barde, SS Shinde and VN Nandanwar	International Journal of Chemical Studies NAAS 5.31	6(2): 243-249

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101	2018	Bioefficacy of Newer Insecticides against Brijal Whitefly, <i>Bemisia tabaci</i> G.	R.D. Jadhav, D.R. Kadam, B.S. Kadam G.K. Kangale and Jadhao P.B.	Journal of entomology and Zoology Studies NAAS 5.53	6(6), pp 1187-1191
102	2018	Management of Aphids (<i>Aphis punicaea</i>) infesting Pomegranate Fruits.	P.B. Jadhao, D.R. Kadam, B.S. Kadam, G.K. Kangale and R.D. Jadhav.	Journal of entomology and Zoology Studies NAAS 5.53	7(1), pp 750-753
103	2018	Biology and morphometrics of spotted pod borer, <i>M. vitrata</i> on pigeonpea variety bdn711 under laboratory condition	V.G. Savde, D. R. Kadam, Y.B. Matre, M.B. sanjekar.	International Journal of entomology Research NAAS 5.24	3(3), 44-46
104	2018	Seasonal incidence of <i>Helicoverpa armigera</i> (Hubner) and <i>Exelastis atomosa</i> (Walsingham) on different cultivars of pigeonpea	Ingale R.T., Kadam D.R., Savde V.G. and Mane U.T.	International Journal of Chemical Studies NAAS 5.31	6(5): 1084-1088
105	2018	Effect of different varieties maturity stages and spray schedules based management of <i>Helicoverpa armigera</i> (Hubner) on pigeonpea	Ingale R.T., Kadam D.R., Savde V.G. and Mane U.T.	International Journal of Chemical Studies NAAS 5.31	6(5): 1089-1091
106	2018	Biology of pomegranate fruit borer, <i>Deudorix isocrates</i> (Fab.) (Lycaenidae: Lepidoptera) on pomegranate, <i>Punica granatum</i> L	R.Y. Khandare, D.R. Kadam and N.E. Jayewar.	Journal of Pharmacognosy and Phytochemistry NAAS 5.21	7(5): 328-330
107	2018	Management of pomegranate aphids, <i>Aphis punicae</i> (Passerini) with newer insecticides	R.Y. Khandare, D.R. Kadam and N.E. Jayewar.	Journal of Pharmacognosy and Phytochemistry NAAS 5.21	7(5): 323-327
108	2018	Biology and morphometrics of plume moth, <i>E. atomosa</i> (Wals.) on pigeonpea variety BDN-711 under laboratory condition	Savde V.G., Kadam D.R., Sapkal S.D. and Sanjekar M.B.	Journal of Entomology and Zoology Studies NAAS 5.53	6(4):1908-1910
109	2018	Biology of Stem Fly <i>Ohiomyia phaseoli</i> (Tryon) and Leaf Webber, <i>Grapholita critica</i> (Meyr) on Pigeonpea	V.G. Savde, D.R. Kadam, N.E. Jayewar and R.Y. Khandare.	International Journal of Current Microbiology Applied Science Special Issue NAAS 5.38	6. pp.780-784

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110	2018	Screening of pigeonpea germplasm for oviposition preference and tolerance mechanism of resistance to the pod borer, <i>Helicoverpa armigera</i>	J.D.Ughade, M.B.Sarkate S.S.Gosalwad	International j. of Current Microbiology and Applied Sciences NAAS 5.38	(Sp. Issue) 6:548-555
111	2018	Evaluation of pigeonpea germplasm for antibiosis mechanism of resistance to the pod borer, <i>Helicoverpa armigera</i>	J.D.Ughade, S.S.Gosalwad, M.B.Sarkate	International J. of Current Microbiology and Applied Sciences NAAS 5.38	(Sp.Issue-6) 705-713
112	2018	Management of defoliators on groundnut through newer insecticides	N.E. Jayewar, S.S.Gosalwad R. Y. Khandare	Journal of Pharmacognosy and Phytochemistry NAAS 5.21	7(5): 368-370
113	2018	Effect of neonicotinoids i.e. imidacloprid 17.8% SL on foraging behaviour of honey bee on Safflower (<i>Carthamus tinctorius</i> L.)	Matre Y.B., Telangre A.H, Latpate CB and Zanwar .P.R	International Journal of Chemical Studies NAAS 5.31	Vol. 6 (5) 05-08,
114	2018	Effect of neonicotinoids i.e. acetamiprid 20% SP on foraging behaviour of honey bee on Safflower (<i>Carthamus tinctorius</i> L.)	Telangre A.H, Matre Y.B., Latpate CB and Zanwar .P.R.	International Journal of Chemical Studies NAAS 5.31	Vol.6 (5) 185-188,
115	2018	Seasonal incidence of tomato fruit borer, <i>Helicoverpa armigera</i> on tomato under protected cultivation	SD Sapkal, MM Sonkamble and BB Gaikwad	Journal of Entomology and Zoology Studies NAAS 5.53	6(4):1911-1914
116	2018	Seasonal incidence of tomato leaf miner <i>Tuta absoluta</i> on tomato under protected cultivation	SD Sapkal, MM Sonkamble and VG Savde	Journal of Entomology and Zoology Studies NAAS 5.53	6(4):1911-1914
117	2018	Bioefficacy of newer insecticides against tomato fruit borer, <i>Helicoverpa armigera</i> on tomato under protected cultivation	SD Sapkal, MM Sonkamble and BB Gaikwad	International journal of chemical studies NAAS 5.31	6(4):3326-3330
118	2018	Bioefficacy of newer insecticides against leaf miner <i>Tuta absoluta</i> on tomato under protected cultivation	SD Sapkal, MM Sonkamble and VG Savde	International journal of chemical studies NAAS 5.31	6(4):3326-3330

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119	2018	Biology of brinjal shoot and fruit borer <i>Leucinodes orbonalis</i> Guenee in laboratory condition	Rohokale YA, Sonkamble MM and Bokan SC	Journal of Entomology and Zoology Studies NAAS 5.53	6(4):1878-1881
120	2018	Field life tables and key mortality factors of important lepidopterous pests of <i>soybean</i>	MM Sonkamble. BS Rana and NL Dangi	Journal of Pharmognosy and Phytochemistry NAAS 5.21	7(5):362-364
121	2018	Bioefficacy of newer insecticides and neem derivatives against major insect pests of soybean	MM Sonkamble. BS Rana and NL Dangi	Journal of Pharmognosy and Phytochemistry NAAS 5.21	7(5):356-361
122	2018	Population Dynamics of Thrips, <i>Thrips tabaci</i> and whitefly <i>Bemisia tabaci</i> on Bt cotton hybrids	A.G.Badgujar, B.B.Bhosle and M.M.Sonkamble	International Journal of Current Microbiology and Applied Science NAAS 5.38	
123	2018	Population dynamics of mealy bugs, <i>Phenacoccus solenopsis</i> Tinsley on BG-I and BG-II Bt cotton	A.G.Badgujar, P. R. Zanwar and D. R. Kadam	International Journal of Current Microbiology and Applied Sciences NAAS 5.38	(Sp.Issue), 6 : 606-613
124	2018	Bioefficacy of different insecticides against aphid <i>Brevicoryne brassicae</i> on cauliflower.	Bhede, B. V. Bhosle, B. B.; More, D. G. and Zanwar, P. R.	Journal of Entomological Research, NAAS 5.05	42(2) : 211-215
125	2018	Correlation and regression of aphids on cauliflower with abiotic and biotic factors of environment.	Bhede, B. V.; Bhosle, B. B. and Zanwar, P. R.	Journal of Entomological Research, NAAS 5.05	42(3) : 355-359
126	2018	Population dynamics and efficacy of insecticides on syrphid flies on cauliflower.	Bhede, B. V. and Bhosle, B. B.	Indian Journal of Entomology, NAAS 5.89	80(04) : 1323-1326
127	2018	Evaluation of some recent insecticides against diamondback moth, <i>Plutella xylostella</i> L. on cabbage under field condition.	Aiswarya, V. A.; Bhosle, B. B. and Bhede, B. V.	Journal of Entomological Research, NAAS 5.05	42(3) : 383-386.
128	2018	Short term climatic condition influencing thrips infesting chilli.	Jayewar, N. E.; Bhosle, B. B. and Bhede, B. V.	Journal of Entomology and Zoology Studies, NAAS 5.53	6(5): 2459-2463

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129	2018	Evaluation of crop-crop diversity pattern for incidence of pod borer complex in pigeonpea.	Deshmukh, M.M.; Bhosle, B.B. and Bhede, B.V.	International Journal of Current Microbiology and Applied Sciences, NAAS 5.38	6 : 2339-2346
130	2018	Seasonal incidence of major insect pests, natural enemies on cauliflower and their correlation with weather parameters.	Gaikwad, A. D.; Bhede, B. V.; Bokan, S. C. and Bhosle, B. B.	Journal of Entomology and Zoology Studies, NAAS 5.53	6(5): 952-956
131	2018	Efficacy of newer insecticides against diamondback moth <i>Plutella xylostella</i> on cauliflower..	Gaikwad, A. D.; Bhosle, B. B.; Bokan, S. C. and Bhede, B. V.	International Journal of Entomology Research,	3(5): 43-46
132	2018	Efficacy of newer insecticide combinations against brinjal shoot and fruit borer.	Rohokale, Y.A.; Sonkamble, M.M.; Bokan, S.C. and Bhede B.V.	International Journal of Entomology Research,	3(5) : 36-39.
133	2018	Biology of <i>Leucinodes orbanalis</i> guenee on brinjal in laboratory Condition	F.S khan, P.S Borikar and A.A Motaphale	Int. J.. Curr. Micro. App. Sci NAAS 5.38	SP-6:252-255
134	2018	Effective Management of Leaf minor <i>Aproaerema modicella</i> in Soybean Ecosystem	A.A Motaphale B B bhosale, F.S khan,	Int. J.. Curr. Micro. App. Sci NAAS 5.38	SP-6:140-147
135	2018	Comparative Performance of Organic and Inorganic Sources of Nitrogen on Growth and Yield of Sunflower Hybrid MSFH-17	D. C. Lokhande, N. E. Jayewar and S. P. Chenalwad	International Journal of Current Microbiology and Applied Sciences NAAS 5.21	
136	2018	Evaluation of Safflower Genotypes for their Reaction to Safflower Aphid <i>Uroleucon compositae</i>	D. S. Mutkule, N. E. Jayewar, V. K. Bhamare and S. C. Kumbhar	International Journal of Current Microbiology and Applied Sciences NAAS 5.38	
137	2018	Summer Groundnut (<i>Arachis hypogaea</i> L.) Productivity Influenced By Irrigation Scheduling: A Climatological Approach	D.C. Lokhande, N.E. Jayewar and A.G. Mundhe	International Journal of Current Microbiology and Applied Sciences NAAS 5.38	

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138	2018	Management of Major Insect-Pests of Groundnut through Some Newer Insecticides	D.S. Mutkule , P.B. Patil and N.E. Jayewar	International Journal of Current Microbiology and Applied Sciences NAAS 5.38	
139	2018	A Review On Insect Resistance Bt Technology And Its Biosafety Issues	N. E Jayewar , M. S. Dudhare and B. B. Bhosle	Multilogic In Science NAAS 5.20	
140	2018	Management Of Tomato Fruit Borer, <i>Helicoverpa armigera</i> Hubner	A. L.Suradkar, N,E.Jayewar and S.P. Ukey Ecofriendly	Multilogic In Science NAAS 5.20	
141	2018	Germplasm Evaluation for Resistance against Major Lepidopteron Pest in Sunflower	Nareshkumar E. Jayewar, Dnyandeo S. Mutkule and D R. Kadam	International Journal of Current Microbiology and Applied Sciences NAAS 5.38	
142	2018	Germplasm Evaluation for Resistance against Sucking Pest in Sunflower	Nareshkumar E. Jayewar, Dnyandeo S. Mutkule and D R. Kadam	International Journal of Current Microbiology and Applied Sciences NAAS 5.38	
143	2018	Influence of Organics, Inorganics With and Without Plant Protections on Quality of Desi Cotton	P. S. Solunke, Sangita U. Fatak, N. E. Jayewar and D. G. Giri	International Journal of Current Microbiology and Applied Sciences NAAS 5.38	
144	2018	Host-Parasite Relationships in Tissue Culture of Safflower and <i>Fusarium oxysporum</i> f. sp. <i>carthami</i>	R. N. Dhawale, R. N. Jadhav, N. E. Jayewar and A. A. Bharose	International Journal of Current Microbiology and Applied Sciences NAAS 5.38	
145	2018	Population Density of <i>Campoletis chlorideae</i> Influenced by Different Genotype and Phonological Stages of Chickpea	S. D. Bantewad, S. R. Sardar and N. E. Jayewar	International Journal of Current Microbiology and Applied Sciences NAAS 5.38	
146	2018	Evaluation of Different Chickpea Genotypes against Pod Borer, <i>Helicoverpa armigera</i> (Hubner)	S. R. Sardar, S. D. Bantewad and N. E. Jayewar	International Journal of Current Microbiology and Applied Sciences NAAS 5.38	
147	2018	Seasonal Incidence of <i>Helicoverpa armigera</i> Influenced by Desi and Kabuli Genotype of Chickpea	S. R. Sardar, S. D. Bantewad and N. E. Jayewar	International Journal of Current Microbiology and Applied Sciences NAAS 5.38	
148	2018	Biology of Stem Fly <i>Ophiomyia phaseoli</i> (Tryon) and Leaf Webber <i>Grapholita critica</i> (Meyr) on Pigeonpea	V. G. Savde,D. R. Kadam, N. E. Jayewar and R. Y. Khandare	International Journal of Current Microbiology and Applied Sciences NAAS 5.38	

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149	2018	Heterosis Studies for Fibre Quality Traits in Desi Cotton (<i>Gossypium 121rboretum</i> L.)	V. N. Chinchane, K. R. Thombre and N. E. Jayewar	International Journal of Current Microbiology and Applied Sciences NAAS 5.38	
150	2018	Chemical alternatives for management of defoliating pests of groundnut	NE Jayewar, DD Patait and RY Khandare	International Journal of Chemical Studies NAAS 5.31	
151	2018	Evaluation of germplasm against sucking pest in sunflower	Nareshkumar E. Jayewar, Milind M. Sonkamble And SadashivS. Gosalwad	International Journal of Current Microbiology and Applied Sciences NAAS 5.38	
152	2018	Sunflower defoliator population influenced by long term climatic trends and extreme weather conditions	NE Jayewar, AK Jha and DD Patait,	Journal of Entomology and Zoology Studies NAAS 5.53	
153	2018	Chilli hybrids reaction to biotic stress with special reference to thrips	NE Jayewar, BB Bhosle and PR Zanwar	Journal of Pharmacognosy and Phytochemistry NAAS 5.21	
Soil Science					
154	2018	Long-term effect of FYM and inorganic fertilizers on soil quality and sustainable productivity of soybean (<i>Glycine max</i>) and safflower (<i>Carthamus tinctorius</i>) in Vertisol	Meshram, N. A., Syed Ismail and Pinjari, S.S.	Indian Journal of Agricultural Sciences NAAS 6.22	88 (6): 845–50
155	2018	Characterization, classification and evaluation of cotton growing soils Nanded District,	Ghode M.K. Vaidya P.H, Dhawan A.S. and Adkine S.A.	Maharashtra Journal of Pharmacologyand Phytochemistry 2018 NAAS 5.21	SP: 1 1221-1225
156	2018	Transformation of NPK and S as influence by Micronutrients Application of Sunflower (<i>Helianthus annus.L</i>) in Inceptisol.	Khumbhar, C.S. Indulkar B.S. Vaidya P.H, Wagh C.B. and Ingole A.J.	International Journal of Current Microbiology and Applied Science NAAS 5.28	Sp. Iss. 6 pp-1307-1312

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157	2018	Comparative study of Changes in Soil Quality Status of Farm College of Agriculture, Latur	Chadar B.R. Vaidya P.H and Chaudhri A.V.	International Journal of Current Microbiology and Applied Science NAAS 5.38	Sp. Iss. 6 pp-1598-1606
158	2018	Charectrisation, Classification and Soil Site Suitability Evaluation of Soils of Farm College of Agriculture, Latur.	Chadar B.R. Vaidya P.H, Kachave R.R. and Aundhakar A.V.	Journal of Pharmacology and Phytochemistry NAAS 5.21	SP: 1 166-170
159	2018	Characterization and Classification of Soils of Drought Prone Area of Krishna Valley in Marathwada Region of Maharashtra, India	S.A. Adkine, A.S. Dhawan, P.H. Vaidya and M.K. Ghode	International Journal of Current Microbiology and Applied Science NAAS 5.38	Vol.6(sp) pp-2682-2693
160	2018	Characterization, classification and evaluation of soils in cotton growing region of Beed District, Maharashtra	AV Aundhakar, PH Vaidya, AJ Ingole, NM Patil and MK Ghode	Journal of Pharmacognosy and Phytochemistry; NAAS 5.21	7(5): 1977-1981
162	2018	Effect of Phosphorus and PSB on Growth, Yield and Quality of Blackgram [<i>Vigna mungo</i> (L.) in Inceptisol	R.R. Kachave, B.S. Indulkar, P.H. Vaidya, A.J. Ingole and N.M. Patil	International Journal of Current Microbiology and Applied Science NAAS 5.38	Vol.7(7) pp-3339-3365
163	2018	Effect of moisture and calcium carbonate content on chemical properties of soil and yield of cotton in Nanded District of Maharashtra	Ingole AJ, Vaidya PH, Aundhakar AV, Ghode MK	Journal of Pharmacognosy and Phytochemistry NAAS 5.21	7(5): 1971-1976
164	2018	Morphological and physical properties of some soils of ARS,Badnapur	Waikar,S.L.,Choure,Sunil,Dhamak,A .L. and H.K.Kausadikar	Multilogic in Science NAAS 5.22	Vol.VII (Sp.issue) :264-269
165	2018	Impacts of Foliar Application of Speciality Fertilizers for Higher Yield, Quality and Nutrient Uptake in Chickpea	T.R. Kachave, H.K. Kausadikar and M.S. Deshmukh.	Multilogic in Science. NAAS 5.20	VIII 29-32

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166	2018	Effect of potassium and zinc availability in black cotton soil of Marathwada	Chalak,Ashwini, S.L.Waikar and Brangule, S.B.	Int.,J.Chem.Studies. NAAS 5.35	(6(5):1396-1400
167	2018	Effect of varying levels of potassium and zinc on yield,yield attributes,quality of pigeon pea(<i>Cajanus cajan L. Millp.</i>)	Chalak,Ashwini, S.L.Waikar and Brangule,Sanjivini	Int.,J.Chem.Studies. NAAS 5.35	(6(5):1432-1435
168	2018	Effect of potassium and zinc on nutrient uptake of pigeon pea(<i>Cajanus cajan L. Millp.</i>)	Chalak,Ashwini, S.L.Waikar and Mahesh Ajbe	Int.,J.Chem.Studies NAAS 5.35	(6(5):1474-1477
169	2018	Effect of Potassium levels and folier spray of micronutrients on growth, yield and nutrient uptake by green gram	A.L.Dhamak S.L.Waikar, H.K. kausadikar, ,and Tyngshain Kharkongor	Multilogic in science NAAS 5.20	Vol. VII.Special Issue ICAAASTSD-2018 pp.470-475
170	2018	Effect of sources and levels of sulphur on physico-chemical properties and available nutrient status of Niger (<i>Guizotia abyssinica</i>) growing soil	Moulika Gotte and Bhagyaresha Gajbhiye	Journal of Pharmacognosy and Phytochemistry NAAS 5.21	7(5):301-303
171	2018	Assessment of Different Nitrogen Forms in Soilorders viz. Vertisols, Inceptisols and Entisols in Marathwada Region	S H Narale, P H Gourkhede and Adkine S A .	Journal of Phamacognosy and PhytochemistryJPP2018: NAAS 5.21	7(5) 388-395
172	2018	Effect of Zn, Fe and B on yield, nutrient uptake and quality of <i>kharif</i> maize in Marathwada Region of Maharashtra	Daphade S.T. , Hanwate G.R and Gourkhede P H.	Journal of Phamacognosy and Phytochemistry JPP2018: NAAS 5.21	7(5) 319-322
173	2018	Physico-chemical characteristics of NAAM River watershed in Parbhani District India.	S. R. Pillewad, A. L. Dhamak and P. B. Singare	International Journal of Current Microbiology and applied science. NAAS 5.38	Special Issue-6 pp

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174	2018	Physico-chemical status of Soils under continuous sugarcane ecosystems of Kamrej Command Sugar area of South Gujrat	Santosh Pillewad, Ganesh K. Gaikwad*, Pramod Singare, Viralkumar A. Patel*, Mohitpasha Shaikh, P.B. Adsul, Ajit Puri and Amaresh Das	Journal Multilogic in Science. NAAS 5.38	Vol. VIII Issue XXV
Agricultural Meteorology					
175	2018	Study the heat unit requirement of soybean (<i>Glycine max</i>) varieties under varied weather condition at Parbhani	K.KChavan, AM Khobragade, YE Kadam and RB Mane	Journal of Pharmacognosy and Phytochemistry NAAS 5.21	
176	2018	Development of Regression Model to predict the Seed Cotton Yield with Meteorological Variables	V. R. Dendage, A. M.Khobragade, A. B. Bagade and K. K. Chavan	Int.J.Curr.Microbiol. App.Sci . NAAS 5.38	Special Issue 6. PP 1035-1039
177	2018	Agroclimatic Characterization of Cotton Crop under Parbhani District of Marathwada Region	V. R. Dendage, A. M.Khobragade, A. B.Bagade and K. K.Chavan	Int.J.Curr.Microbiol. App.Sci., NAAS 5.38	Special Issue 6. PP 1021-1034
178	2018	Influence of Weather Parameters on YVMV Incidence of Okra Varieties in Summer season	Vadla Usha Sree, B.V. Asewar, A.T. Daunde, A.M. Khobragade and D.S. Perke	Int.J.Curr.Microbiol. App.Sci, NAAS 5.38	Vol. 7. (3)
Plant Pathology					
179	2018	Isolation and Characterization of <i>Rhizobium meliloti</i> Isolated from Rhizosphere Soil and Roots of Fenugreek from Different Locations	Satyadev Prajapati, M. S. Dadke, S. Surekha, S. Godika and V. Prasanna Krishna	Int.J.Curr.Microbiol.App.Sci NAAS 5.38	7(06): 1460-1467
Agricultural Extension					
180	2018	Constraints faced by the village leaders in their role for village development in Maharashtra state	Khare A.L. and Kadam R.P.	Int. Jour. Current. Microbiology App. Sci. NAAS 5.38	Special Issue-7: 3988-3996
181	2018	Relational analysis of the leaders in progressive and less progressive villages and its role perception and role performance	Khare A.L. and Kadam R.P.	Int. Jour. Current. Microbiology App. Sci. NAAS 5.38	Special Issue-7: 3997-4010

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182	2018	Socio-Economic, Psychological and Situational Profile of Farmer Suicide in Jalna District	Khokle R.B., Kadam R.P. and Dhulgand V.G.	International Journal of Chemical Studies, NAAS 5.31	6 (5) pp: 1503-1505
183	2018	Knowledge and Adoption of Recommended Cultivation Practices of Rabi Jowar Among the Growers	Ahire R.D., Kapse P.S. and Ekale J.V.	Int. Jour. Current Microbiology Applied Science, NAAS 5.38	7(10), Pp:2307-2313
184	2018	Study if Relationship between profile of farm woman Labourer and Drudgery Involved in farm Operations	Ekale J.V., Kulkarni M.V., Chavhan P.N. and Dudhal H.S.	International Journal Current Microbiology Applied Science NAAS 5.38	7(2), pp:1411-1416
185	2018	Path analysis of personal socio economical and psychological characteristics of the Deoni cattle and non-descriptive cattle rearers on their extent of management practices	Pisure B.L., Deshmukh P.R. and Kapse P.S.	International Journal Current Microbiology Applied Science, NAAS 5.38	6, pp: 1383-1392
186	2018	The socio-economic and situational cause which compelled the farmers to committed suicide and post suicide consequences faced by farmers families in Nanded districts	Bodke B.G. and Deshmukh P.R.	Journal of Pharmacognosy and Phytochemistry, NAAS 5.21	VII (V), pp: 3152-3156.
187	2018	The personal, Socio-Economical, Psychological and Situational Characteristics of the Farmers and Families of the Farmers Who Committed Suicides in Nanded District	Bodke B.G. and Deshmukh P.R.	International Journal Current Microbiology Applied Science, NAAS 5.38	7 (11), pp: 108-132
188	2018	Constraints faced and suggestions provided during the use of mobile based agro advisory services by state department of agriculture in Marathwada	Chavhan P. N. Deshmukh P.R. and Aglawe D.D.	International Journal of Chemical Studies, NAAS 5.31	6(3), pp: 1715-1719
189	2018	Knowledge and Adoption of Integrated Management of White Grub among the farmers	Kapse P.S., Ahire R.D. and Deshmukh, P.R.	J. of Pharmacognosy and Phytochemistry, NAAS 5.21	7(5), pp: 1100-1103

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190	2018	Socio-economic and Psychological Determinants of Knowledge and Adoption of IPM Technology for Management of White Grub among the farmers	Ahire R.D., Kapse P.S. and Deshmukh P.R.	International J. of Current Microbiology and Applied Science, NAAS 5.38	7 (9), pp: 1201-1206
191	2018	Knowledge and Adoption of Recommended Cultivation Practices of Rabi Jowar among the Growers	Ahire R.D., Kapse P.S. and Ekale J.V.	Int. J. of Current Microbiology and Applied Science, NAAS 5.38	7(10), pp: 2307-2313
192	2018	Knowledge and adoption of Khoa Production Practices in Osmanabad district of Marathwada region	Puri S. G., Karanjikar P. N. and Nand K. K.	Int. Journal of Current Microbiology and Applied Science, NAAS 5.38	6, pp: 2285-2293
193	2018	Major constraints faced and socio – economic impact of khoa production on producers of major khoa producing areas of Marathwada region	Kamble N.S., G.K.Londhe and Puri S.G.	Journal of Pharmacognosy and Phytochemistry, NAAS 5.21	7(5), pp: 378-380
Agronomy					
194	2018	Interrelationship of biomass yield ,carbon input ,aggregation ,carbon pool and its sequestration in vertisol under long term sorghum-wheat cropping system in semiarid tropics	Ashim data ,Biswapati mandal ,Shrikant badole ,Krishna chitanya, S.P.Mujumdar ,Dnaneshwar Padau,Nirmalendu Barak Ajit Burman Ritesh Kundu ,W.N.Narkhede	Soil and Tillage Research NAAS 11.37	184 (2018) 164-175
195	2018	Yield and economics of pigeon pea based intercropping systems as influenced by different land configurations	H.S. Garud, B.V. Asewar, S.U. Pawar* and I.A.B. Mirza	Agric. Sci. Digest., NAAS 5.00	38(4) 2018: 275-279
196	2018	Studies on Effect of Different Herbicides on Weed Control, Yield and Economics of Maize	S. S. Shinde*, S. U. Pawar2, V. B. Awasarmal and W. N. Narkhede	Int.J.Curr.Microbiol.App.Sci (2018) NAAS 5.38	Special Issue-6: 951-955

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197	2018	Studies on efficacy of herbicide combinations in soybean (<i>Glycine max</i> (L.) Merrill)	Kadam SP, SU Pawar, DN Gokhale and RM Chavan	International Journal of Chemical Studies 2018; NAAS 5.31	6(6): 2342-2344
198	2018	Performance Of Different Land Configuration Under Pigeon Pea Based Intercropping Systems	H.S.Garud, Asewar B.V., Pawar S.U. And Gokhale D.N.	Multilogic In Science NAAS 5.20	Vol. Viii, Issue Xxv Pp 152-155, April 2018
199	2018	Evaluation Of Different Herbicides In Maize	Shinde S.S., S.U. Pawar, V.B.Awasarmaland D.N.Gokhale	Multilogic In Science NAAS 5.20	Vol. Viii, Issue Xxv, April2018 Pp250-253
200	2018	Efficacy of post emergence herbicides in soybean(<i>Glycine max</i> (L.) Merrill)	Kadam SP, DN Gokhale ,SU Pawar and RM Chavan	Journal of pharmacagnosy and phytochemistry 2018; NAAS 5.21	7(6): 456-458
201	2018	Evaluation of Soybean (<i>Glycine max</i> L) Verities in Post Monsoon for growth and yield Performance under varied weather conditions.	M.P. Jagtap Y.D. Sangekar	International Journal of Current Microbiology and Applied Sciences NAAS 5.38	
202	2018	Performance of Soybean <i>Glycine max</i> L) Verities in Post Monsoon under varied weather conditions.	M.P. Jagtap, Y.D. Sangekar, D.N.Gokhle	Journal of Pharmacognosy and Phyto Chemistry NAAS 5.21	
Horticulture					
203	2018	Effect of drying methods on nutritional and qualitative composition of bitter gourd (<i>Momordica charantia</i> L.) under Parbhani	G.M. Waghmare, A.M. Bhosale, B.M. Kalalbandi and A.K. Padole	Int.J.Curr.Microbiol.App.Sci NAAS 5.38	Special Issue-6: 246-251
204	2018	Effect of bio fertilizers and inorganic fertilizers on growth and yield of guava (<i>Psidium guajava</i> L.) CV.L-49 (Sardar) under meadow Orchard	Khan Ameer, G.M.Waghmare and V.V. Bhagat	Multilogic in science NAAS 5.20	VOL,VII,ISSU XXV April
205	2018	Effect of drying method on nutritional and qualitative composition of Bitter gourd (<i>Momordica charantia</i> L.) under Parbhani	G.M.Waghmare, A.M. Bhosle,B.M.Kalalbandi and A.K.Padole	International Journal of Chemical Studies. NAAS 5.53	6(4) 1306-1310

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206	2018	Influence of harvest treatment on shelf life of Banana (<i>Musa paradisiaca</i> L.) cv. Grand naine	S.J.Sayyad, V.S.Khandare and G.M.Waghmare	Multilogic in Science NAAS 5.20	Volume VII special issue ICAAASTSD 277-279
207	2018	Effect of Post Harvest Treatment on physico-chemical composition of banana (<i>Musa paradisiaca</i> L.) cv. Grand Naine	S.J.Sayyad, V.S.Khandare, G.M.Waghmare, Nirmala U.Thoke and Nilima Gobde	International Journal of Current Microbiology and Applied Science. NAAS 5.38	Special issue 6 2966-2969
208	2018	Impact of bio-fertilizers and inorganic fertilizers on growth parameters of Sapota (<i>Manilkara achras</i> (Mill.)). Cv. Kalipatti	SL Maskar, A M Bhosale and SJ Syed	International Journal of Chemical Studies NAAS 5.31	Volum -6. Issue-4 Page No. 1056-1063 Online
209	2018	Effect of inorganic and biofertilizers on fruit set, yield and quality of custard apple (<i>Annona squamosa</i> L.) cv. Balanagar	DB Waghmare, AM Bhosale and SJ Syed	International Journal of Chemical Studies NAAS 5.31	Volum -6. Issue-4 Page No. 1196-1200
210	2018	Effect of inorganic and organic sources of nutrients on physico-chemical composition and shelf life of custard apple (<i>Annona squamosa</i> L.) cv. Balanagar	DB Waghmare, AM Bhosale and SJ Syed	International Journal of Chemical Studies NAAS 5.31	Volum -6. Issue-4 Page No. 1201-1205
211	2018	Effect of drying methods on nutritional and qualitative composition of bitter melon (<i>Momordica charantia</i> L.) under Parbhani	GM Waghmare, AM Bhosale, BM Kalalbandi and AK Padole	International Journal of Chemical Studies NAAS 5.31	Volum -6. Issue-4 Page No. 1206-1210
212	2018	Effect of inorganic and biofertilizers on vegetative growth and reproductive growth parameters of custard apple (<i>Annona squamosa</i> L.) cv. Balanagar	DB Waghmare, AM Bhosale and SJ Syed	International Journal of Chemical Studies NAAS 5.31	Volum -6. Issue-4 Page No. 1358-1361
213	2018	Effect of Bio-fertilizers and inorganic fertilizer on yield, quality and economics of sapota (<i>Manilkara achras</i> (Mill.)). Cv. Kalipatti	SL Maskar, AM Bhosale and SJ Syed	International Journal of Chemical Studies NAAS 5.31	Volum -6. Issue-4 Page No. 1387-1393

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214	2018	Effect of different grades and times of application of micronutrient mixture on physical and biochemical qualitative attributes of custard apple (<i>Annona squamosa</i> L.) cv. Balanagar	VC Rane, AM Bhosale and SJ Syed	International Journal of Chemical Studies NAAS 5.31	Volum -6. Issue-4 Page No. 1404-1413
215	2018	Studies on different grades and times of application of micronutrient mixture on vegetative growth and reproductive growth parameters of custard apple (<i>Annona squamosa</i> L.) cv. Balanagar	VC Rane, AM Bhosale and SJ Syed	International Journal of Chemical Studies NAAS 5.31	Volum -6. Issue-4 Page No. 1414-1421
216	2018	Effect of integrated nutrient sources on soil parameters of custard apple (<i>Annona squamosa</i> L.) cv. Balanagar	DB Waghmare, AM Bhosale and SJ Syed	International Journal of Chemical Studies NAAS 5.31	Volum -6. Issue-4 Page No. 1422-1425
217	2018	Effect of bio-fertilizers and inorganic fertilizers on fruit set and yield of sapota (<i>Manilkara achras</i> (Mill.) forseberg). Cv. Kalipatti	SL Maskar, AM Bhosale and SJ Syed	International Journal of Chemical Studies NAAS 5.31	Volum -6. Issue-4 Page No. 1426-1432
218	2018	Influence of different grades and times of application of micronutrient mixture on fruit set and yield of custard apple (<i>Annona squamosa</i> L.) cv. Balanagar	VC Rane, AM Bhosale and SJ Syed	International Journal of Chemical Studies NAAS 5.31	Volum -6. Issue-4 Page No. 1608-1613
219	2018	Effect of bio enzymes on growth parameters of cabbage (<i>Brassica oleracea</i> var Capitata L.) var. golden acre	SB Dugmod, AM Bhosale and SJ Syed	International Journal of Chemical Studies NAAS 5.31	Volum -6. Issue-4 Page No. 1614-1617
220	2018	Effect of organic and inorganic fertilizers on vegetative growth and reproductive growth parameters of sapota (<i>Manilkara achras</i> (Mill.) forseberg). Cv. Kalipatti	AM Bhosale , SM Harimohan and SJ Syed	International Journal of Chemical NAAS 5.31	Volum -6. Issue-4 Page No. 1690-1695

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221	2018	Influence of bioenzymes on yield and quality parameters of cabbage (<i>Brassica oleracea</i> var <i>Capitata</i> L.) var. golden acre	SB Dugmod, AM Bhosale and SJ Syed	International Journal of Chemical Studies NAAS 5.31	Volum -6. Issue-4 Page No. 2807-2809
222	2018	Influence of organic and inorganic fertilizers on flower drop, fruit set, fruit drop, fruit retention and yield of sapota (<i>Manilkara achras</i> Forseberg). Cv. Kalipatti	AM Bhosale , SM Harimohan and SJ Syed	International Journal of Chemical Studies NAAS 5.31	Volum -6. Issue-4 Page No. 2835-2837
223	2018	Effect of organic and inorganic fertilizers on flowering, fruiting and quality parameters of sapota (<i>Manilkara achras</i> Forseberg). Cv. Kalipatti	AM Bhosale , SM Harimohan and SJ Syed	International Journal of Chemical Studies NAAS 5.31	Volum -6. Issue-4 Page No. 2838-2843
224	2018	Effect of organic and inorganic fertilizers on fruit set, yield and economics of sapota (<i>Manilkara achras</i> Forseberg). Cv. Kalipatti	SM Harimohan, AM Bhosale and SJ Syed	International Journal of Chemical Studies 2349-8528	Volum -6. Issue-5 Page No. 01-04
225	2018	Effect of different spacing and fertilizer levels on yield and economics of beetroot (<i>Beta vulgaris</i> L.).	Kadam, V.D., S.J. Shinde and D. C. Satav.	Journal of Pharmacognosy and Phytochemistry.NAAS 5.21	7(6): 31-35.
226	2018	Effect of different spacing and fertilizer levels on growth parameter and quality parameters of beetroot (<i>Beta vulgaris</i> L.).	Kadam, V.D., S.J. Shinde and S.J. Syed.	Journal of Pharmacognosy and Phytochemistry.NAAS 5.21	7(5): 2845-2848.
227	2018	Influence of different spacing and fertilizer levels on growth, yield and quality of beetroot (<i>Beta vulgaris</i> L.).	Shinde S.J., N.V. Yelvikar and V.D. Kadam.	International Journal of chemical Studies,NAAS 5.31	6(5): 3160-3164.
228	2018	Effect of land configuration with different levels of spacing and fertilizers on yield and economic studies of onion (<i>Allium cepa</i> L.) cultivation.	Kadri I.A. Shinde S.J. and Maske S.N.	Journal of Pharmacognosy and Phytochemistry.. NAAS 5.21	8(1): 2452-2455

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229	2018	Effect of land configuration with different levels of spacing and fertilizers on growth and quality of onion (<i>Allium cepa</i>)	Kadri I.A. Shinde S.J. and Maske S.N.	International Journal of chemical Studies, NAAS 5.31	7(1): 874-877
Agricultural Economics					
230	2018	Dynamics of Arrivals and Prices Behaviour of Turmeric in Sangli District of Maharashtra, India	Kale, P.S., Perke, D.S. and Kadte, A.J.	International Journal of current Microbiology and Applied Science NAAS:5.38 ISSN -2319-7692	<i>Special issue-6: 2275-2278</i>
231	2018	Economics of Turmeric Production in Sangli District of Maharashtra, India	Kadte, A.J., Perke, D.S. and Kale, P.S.	International Journal of current Microbiology and Applied Science. NAAS:5.38 ISSN -2319-7692	<i>Special issue-6: 2279-2284</i>
232	2018	Comparative Analysis of Socio Economic Characteristics of Exported Onion Growers and Non Exported Onion Growers in Nasik District.	Chavan, V.R., Salunkhe, S.V. and Perke, D.S.	International Journal of current Microbiology and Applied Science NAAS:5.38 ISSN -2319-7692	<i>Special issue-6: 1435-1440</i>
233	2018	Comparative Economics of Exported Onion and Non Exported Onion Production in Nasik District	<i>Chavan, V.R., Salunkhe, S.V. and Perke, D.S.</i>	International Journal of current Microbiology and Applied Science NAAS:5.38 ISSN -2319-7692	<i>Special issue-6: 1441-1450</i>
234	2018	Socio-economic characteristics of selected soybean growers in Hingoli district of Maharashtra	<i>Perke, D.S., Nagargoje, S.R. and Singarwad, P.S.</i>	Journal of Pharmacognosy Phytochemistry NAAS:5.21 ISSN - 2349-8234	<i>Special issue: 980-982</i>
235	2018	The Economics of soybean in Hingoli district of Maharashtra	<i>Perke, D.S., Nagargoje, S.R. and Singarwad, P.S.</i>	Journal of Pharmacognosy Phytochemistry, NAAS 5.21 ISSN - 2349-8234	<i>Special issue: 1264-1266</i>
236	2018	Influence of weather parameters on YVMV incidence of Okra varieties in Summer Season	<i>Vadla Usha Sree, B.V. Asewar, A.T. Daunde, A.M. Khobragade and Perke D.S.</i>	International Journal of Current Microbiology and applied Sciences NAAS:5.38 ISSN -2319-7692	<i>(IJCMAS) 7(3):1305-1310</i>

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237	2018	Growth Performance of Arrival and Prices of Sorghum, Tur, Soybean, Chickpea and Bajra in Ahmednagar District	Navsare, D.J. D.S.Perke and R.D.Shelke	Int. J. Curr. Microbiol App. Sci. NAAS: 5.38 ISSN - 2319-7692.	7(7): 1-5
238	2018	Agricultural Development in Gadchiroli District of Maharashtra state.	Kadate,A.J., D.S.Perke and P.S.Kale	Int. J. Curr. Microbiol. App. Sci. NAAS: 5.38 ISSN - 2319-7692	7 (8): 1-8
239	2018	Economic Analysis of Marketing of Summer Groundnut in Hingoli district of Maharashtra State	Chatse D.B., D.S.Perke and D.U.Meshram	Int. J. Curr. Microbiol App. Sci. NAAS: 5.38 ISSN - 2319-7692.	7 (8): 1-6
240	2018	Price analysis of selected agricultural commodities in Ahmednagar APMC	Navsare, D.J. D.S.Perke and S.R.Jakkwad	Journal of Pharmacognosy and Phytochemistry. NAAS: 5.21 ISSN - 2349-8234	7(5): 304-308
241	2018	Existing farm plan alternative farm plan for large farms in Yavatmal district of Vidarbha region.	Kale, P.S., D. S. Perke and A.J. Kadate	Journal of Pharmacognosy and Phytochemistry. NAAS: 5.21 ISSN - 2349-8234	7(5): 309-311
242	2018	Economic analysis of Marketing of summer Goundnut in Hingoli district of Maharashtra state, India,	Chatse D.B., D.S.Perke and R.D. Shelke	Int. J. Curr. Microbiol App. Sci.. NAAS:5.38 ISSN - 2319-7692	
243	2018	Price Behavior of Chickpea in Major Markets of Marathwada	Chavan, R.V., K.V. Deshmukh, S.S. More and R.D. Shelke	International Journal of Current Microbiology and Applied Science NAAS: 5.38	
244	2018	Instability Analysis of Pigeonpea and Chickpea in Marathwada Region of Maharashtra State	Dhokar N.R., S.S. More and S.V. Salunkhe	Multilogic in Science NAAS: 5.20 ISSN 2277-7601	
245	2018	Growth Analysis of Pigeonpea and Chickpea in Marathwada Region of Maharashtra State, India	Dhokar N.R., S.S. More and R.D. Shelke	International Journal of Current Microbiology and Applied Science NAAS: 5.38	7 (8) : 2014-2021
246	2018	Economic Analysis of Tribal Farm in Gadchiroli District of Maharashtra, India	Meshram S.S., S.S.More and R.D. Shelke	International Journal of Current Microbiology and Applied Science NAAS: 5.38	7 (7) : 2099-2105
247	2018	Performance of Pulses in Gujarat : A District Level Assessment	More, S.S., Narendra Singh and B.K. Bhatt	Current Agriculture Research Journal NAAS:4.36	06 (1) : 45-53

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248	2018	Performance of Oilseed Crops in Marathwada Region of Maharashtra State	Mulik S.S., S.S.More and R.D. Shelke	International Journal of Current Microbiology and Applied Science NAAS: 5.38	7 (8) : 3663-3669
249	2018	Socio-economic characteristics and cropping pattern of Banana growers in Marathwada region	Jondhale R.N., S.R.nagargoje, K.V.Deshmukh and R.V.Chavan	Multilogic in science NAAS: 5.20 ISSN 2277-7601	7 (25)
250	2018	Price Behaviour of Chickpea in Major Markets of Marathwada	R. V. Chavan, K. V. Deshmukh, S. S. More and R. D. Shelke	International Journal of Current Microbiology and Applied Sciences NAAS: 5.38	7(6) 1359-1365
251	2018	Constraints in the production and marketing of maize in Karimnagar District of Telangana, India	M.Krishna, K.V.Deshmukh, R.V. Chavan and Ritesh Arvind Chand	International Journal of Current Microbiology and Applied Sciences NAAS: 5.38	7(9) 1786-1788
Animal Husbandry Dairy Science					
252	2018	Effect of addition of inulin on chemical, organoleptic, microbiological and rheological properties of Burfi	G.V. Tulavi, G.K. Londhe S.S. Sankpal	International Journal of Chemical Studies NAAS: 5.31	6
253	2018	Studies on Microbiological Properties of Khoa Prepared in Major Khoa Producing Area of Marathwada Region	N.S. Kamble , G.K. Londhe and S.G. Narwade	Int.J.of Chemical Studies NAAS 5.31	6
254	2018	Effect of addition of inulin on chemical , organoleptic, microbiological and rheological properties of peda	SS Sankpal, GK Londhe, and G.Y Tulavi	Int.J.of Chemical Studies NAAS 5.31	6
255	2018	Studies on Chemical Composition of Fig Burfi	S.P. Matkar , S.G. Narwade and S.P. Poul	Multilogic in Science Vii (XXV) 129-131 NAAS 5.20	7
256	2018	Studies on Microbiological Properties of Khoa Prepared in Major Khoa Producing Area of Marathwada Region	N.S. Kamble , G.K. Londhe and S.G. Narwade	International Journal of Chemical Studies NAAS 5.31	6
257	2018	Preparation of Finger Millet Kheer	K.G.Solanki, S.G. Narwade and N.S. Kamble	International j. Current Microbial App Sci. 2326-2331 NAAS 5.38	special issue 6 6

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258	2018	Studies on Textural Properties of Gulabjamun Prepared by blends of buffalo milk with Sweet Corn Milk.	Sujata Patil, P. V. Padghan and R. A. Patil	International Journal of Chemical Studies, NAAS 5.31	6
259	2018	Comparative Studies of Ice Cream Prepared from Herbal Menthol And Crystal Menthol	Yogesh Patil , Prabhakar Padghan, D.B. Suryawanshi and R. A. Patil	Int.J. Curr. Microbiol. App. Sci. NAAS 5.38	Special Issue-6:
260	2018	Effect Of Spirulina Supplementation On Growth Performance Of Broilers	Shinde, S. R., Patil, R. A. and Padghan, P. V.	Journal of , Pharmacology and Phytochemistry , NAAS 5.21	
261	2018	Utilization of Bullock Animal Power and Constraints faced by farmers in Hingoli District	Pandit, D.M., Patil, R. A., Kakade, A.G, Dhumal, V.S. and Shinde, S.P.	The pharma Innovation Journal NAAS 5.08	8
262	2018	Cost analysis of low-calories and low – sugar <i>Kalam</i>	S.P.Shinde, B.C.Andhare and D.B.Suryawanshi	Journal of Pharmacognosy and Phytochemistry NAAS 5.21	7
263	2018	Process Standardization of low-calories and low –sugar <i>Kalam</i>	Santosh P.Shinde, Balasaheb C.Andhare, sahar Masud, Tushar A.Maske, and Vishal S. Dhumal	The Pharma Innovation NAAS 5.03	7
264	2018	Studies on sensory attributes of paneer prepared by toned milk using sago powder	T.A.Maske, B.C.Andhare V.S.Dhumal and S.P.Shinde	Journal of Pharmacognosy and Photochemistry NAAS 5.21	7
265	2018	Preparation of Burfi Blended With Green Peas.	S.V. Lahankar , S.G. Narwade and N.S. Kamble	International j. Current Microbial App. Sci 2320-2325 NAAS 5.38	special issue 6
Agricultural engineering					
266	2018	Optimization of process parameters of ready-to-eat pearl millet snack food (<i>kharodi</i>)	Solanke S.B., Jaybhaye R.V. and Jadhav S.B.	Int. Journal of Chemical Studies NAAS 5.2	791
267	2018	Sensory Evaluation of Pearl Millet based Snack Food (<i>Kharodi</i>) using Fuzzy Logic	Solanke S.B., Jaybhaye R.V. and Jadhav S.B	Int. J. Current Microbiology and Appl. Sciences NAAS 5.28	7 (4)

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College of Agriculture Ambajogai					
268	2018	Summer groundnut (<i>Arachis hypogea</i> L.) productivity influenced by irrigation scheduling: A climatological approach.	Lokhande D.C., N. E. Jayewar and A. G. Mundhe.	Int. J. Curr. Microbiol. App. Sci:	Special Issue-6: 87-91. NAAS -5.38
269	2018	Herbicides effective tool for weed management in sugarcane.	Lokhande D.C., U. M. Khodke and A. G. Mundhe.	Int. J. Curr. Microbiol. App. Sci: Special	Issue-6: 92-96. NAAS -5.38
270	2018	Rabi sorghum varieties productivity through drip irrigation.	Lokhande D.C., U. M. Khodke and A. G. Mundhe.	Int. J. Curr. Microbiol. App. Sci: Special	Issue-6: 97-100. NAAS -5.38
271	2018	Comparative performance of organic and inorganic sources of nitrogen on growth and yield of sunflower hybrid MSFH-17.	Lokhande D.C., N.E. Jayewar and S.P. Chenalwad.	Int. J. Curr. Microbiol. App. Sci:.	Special Issue-6: 1294-1299 NAAS -5.38
272	2018	Estimation of rice yield and transplanting date by using satellite data in Karnataka state of India.	Pritam O. Bhutada and Deepak Lokhande	J. Pharma. and Phyto.,	7(6): 757-761. NAAS -5.21
273	2018	Studies on Genetic Variability for Yield and Yield Contributing Traits in Wheat (<i>Triticum aestivum</i> L.)	D.L. Ubale, S.T. Rathod and N.P. Ingle,.	Int.J.Curr.Microbiol.App.Sci. NAAS 5.38	Special Issue-6: 2694-2699
274	2018	Changes in Enzymes Activities during Storage of Pearl Millet Hybrids and their Parental Lines (<i>Pennisetum glaucum</i> (L.) R. Br.)	B. G. Kamble, S. T. Rathod and V. G. Mulekar,.	Int.J.Curr.Microbiol.App N AAS 5.38.Sci.	2018.Special Issue-6: 2254- 2261.
275	2018	Genetic Variability, Character Association and Path Analysis in Sesame [<i>Sesamum indicum</i> L.]	S.T.Rathod, D.L.Ubale, N.P. Ingle and B.G Kamble	Multilogic in Science NAAS 5.20	VOL. VIII, Special Issue (D), August 174-176.
276	2018	Genetic Divergence Analysis in Sesame (<i>Sesamum indicum</i> L.)	S.T.Rathod, D.L.Ubale, B.G. Kamble and S.J. Sonawane 2018	Multilogic in Science NAAS 5.20	VOL. VIII, Special Issue (D), August 177-180.

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277	2018	Effect of different plant geometries and irrigation schedules on growth and yield contributing characters	Y.M. Waghmare, D.N. Gokhale, P.N. Karanjikar and A.K. Gore	Int. J. Curr.Microbial. App. Sci, NAAS 5.38	Special issue 6: 2480-2486
278	2018	Performance of Palmarosa Cultivars under Saline Condition	V. G. Takankhar, P. N.Karanjikar, V. V. Tayde and R G. Patil	Int.J. Curr. Microbiology and Applied Sciences NAAS 5.20	Special Issue-6 pp-2452-2458
279	2018	Sensory Evaluaton of Pearl Millet based snack Food(Kharodi) using Fuzzy Logic	S.B. Solanke, R.V Jaybhye, S.B.Jadhav	International Journal of Current Microbiology and Applied Sciences NAAS 5.38	Vol.7(4): 2144-2154
280	2018	Evaluation of Quality Parameters, Anti-nutritional Factors and Sensory Evaluation of Soy Flour Prepared from Roasted Soybean	S.B.Jadhav, M.M. Nirval	The Pharma Innovation Journal NAAS 5.03	Vol.7(6):692-696
281	2018	Evaluation of Quality and Sensory Parameters of Soy Flour Prepared from Boiled Soybean	S.B.Jadhav, M.M. Nirval	The Pharma Innovation Journal N AAS 5.03	Vol.7(12):454-457
College of Agriculture Osmanabad					
282	2018	Genetic Diversity Analysis in Chickpea (<i>Cicer arietinum</i> L.)	N. R. Thakur, V. N. Toprope and Koppuravuri Sai Phanindra	Int.J.Curr.Microbiol.App.Sci NAAS : 5.38	Special Issue 6:
283	2018	Combining Ability for Grain Yield and Its Related Traits in Pearl Millet (<i>Pennisetum glaucum</i> L.),	S. B. Badurkar, S. P. Pole, V. N. Toprope and N. P. Ingle	Int.J.Curr.Microbiol.App.Sci NAAS : 5.38	Special Issue 6:
284	2018	Studies on Combining Ability, Heterosis and Gene Action in Restorer Lines of Sunflower (<i>Helianthus annuus</i> L.),	P. S. Salke, Ranjeet Singh Jakhar, V. N. Toprope, N. P. Ingle and C. G. Fesate	Int.J.Curr.Microbiol.App.Sci NAAS : 5.38	Special Issue 6:
285	2018	Estimation of Genetic Variability, Correlation and Path Analysis for Yield and Yield Contributing Traits in Chickpea (<i>Cicer arietinum</i> L.),	N.R. Thakur, V.N. Toprope and Koppuravuri Sai Phanindra	Int.J.Curr.Microbiol.App.Sci NAAS : 5.38	Special Issue 6:
286	2018	Generation Mean Analysis In Okra (<i>Abelmoschus Esculentus</i> (L.) Moench)	S.R. Jogi, V.N. Toprope and N.R. Thakur	Multilogic In Science NAAS : 5.20	VOL. VIII, Issue XXV, April 2018

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287	2018	Cultural, Morphological and Molecular Variability of <i>Fusarium oxysporum</i> f. sp. <i>udum</i> Isolates by RAPD Method	Ghante P. H.	Int.J.Curr.Microbiol.App.Sci NAAS : 5.38	7(10)
288	2018	Integrated Disease Management against Wilt Disease of Pigeonpea Caused by <i>Fusarium oxysporum</i> f. sp. <i>udum</i>	Ghante P. H.	Int.J.Curr.Microbiol.App.Sci NAAS : 5.38	7(10)
College of Agriculture Latur					
289	2018	Impact Assessment of Farm Ponds on Beneficiaries	J.M. Deshmukh, V.D. Hyalij, D.D. Suradkar and B.B. Badgire	International Journal of Current Microbiology and Applied Sciences NAAS 5.38	ISSN: 2319-7706
290	2018	Profile analysis of aspired rural youth	Amit Gandhale, Khalage M.I. and J. M. deshmukh	Multilogic in Science NAAS 5.20	ISSN: 2277-7601
291	2018	Economic Performance of Tissue Culture and Conventional Banana Growers	J. R. Wadkar, V. B. Kamble, N. D. Deshmukh and S. D. Wangikar	Int.J.Curr.Microbiol.App.Sci NAAS 5.38	ISSN: 2319-7692
292	2018	Management Efficiency of Tissue Culture and Conventional Banana Growers	J. R. Wadkar, N. D. Deshmukh, V. B. Kamble and S. D. Wangikar	Int.J.Curr.Microbiol.App.Sci NAAS 5.38	ISSN: 2319-7692
293	2018	Attitude and its Relationship with Profile Characteristics of the Agricultural Students towards Computer usage.	Priyanka Padashetty , D. D. Suradkar and V. B. Kamble	Int.J.Curr.Microbiol.App.Sci NAAS 5.38	ISSN: 2319-7706
294	2018	Studies on Sensory/Organoleptic Properties of Beetroot Whey Beverage	R. D. Kamate and P. V. Padghan	Int.J.Curr.Microbiol.App.Sci NAAS 5.38	(Special Issue-7) 3309-3315,
295	2018	Production of Angiotensin-I-Converting-Enzyme-Inhibitory Peptides in Fermented Milks (Lassi) Fermented by <i>Lactobacillus acidophilus</i> with Consideration of Incubation Period and Simmering Treatment.	P. V. Padghan, Bimlesh Mann, Rajan Sharma, Rajesh Bajaj and Prerana Saini	Inter. J. of Peptide Research and Therapeutics NAAS 6.90	March,23(1): 69-79,

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296	2018	Studies on consumer response for newly developed low-calories and low sugar kalam.	S.P.Shinde, B.C.Andhare, P.V.Padghan and R.A.Patil	Journal of Pharmacognosy and photochemistry NAAS 5.21	ISSN:2349-8234
297	2018	Physico-Chemical Properties of Gulabjamun Prepared From Khoa Of Buffalo Milk Blended With Sweet Corn Milk.	Sujata Patil, P. V. Padghan and R. A. Patil	Journal of , Pharmacology and Phytochemistry NAAS 5.21	2017; 6 (6): 69-72,ISSN:2349-8234
298	2018	Present Scenario of Draught Animal Power Utilization in Aurangabad District	Wagh, R. U., Patil, R. A. and Padghan, P. V.	Journal of , Pharmacology and Phytochemistry NAAS 5.21	SP1: 88-92,ISSN:2349-8234
299	2018	Comparative Study on Physico-Chemical Attributes of Icecream Prepared By Using Hebal Menthol And Crystal Menthol	Yogesh Patil , Prabhakar Padghan, Ramesh Patil and D.B. Suryawanshi	Journal of , Pharmacology and Phytochemistry NAAS 5.21	SP1: 133-136, ISSN:2349-8234
300	2018	Effect of menthol (Mentha arvensis) and beet root extract on physico-chemical properties of paneer whey based beverage	Dhananjay Satpute, Prabhakar Padghan, Yogesh Patil, and Deepratna Suryawanshi	International Journal of Food Science and Nutrition NAAS 5.14	Volume 3(1): 99-105 ISSN: 2455
301	2018	Utilization of Draught Animal Power Constraints Faced by Farmers in Beed District	S.D.Gadekar,R.A.Patil and S.V.Swami	Multilogic In Science. NAAS 5.20	VII,(XXIV): 161-164, ISSN:2277-7601 SN-1996
302	2018	Studies on Prevalence of Subclinical Mastitis in Dairy Animals	S.V. Swami, R.A.Patil and S.D. Gadekar	Journal of Entomology and Zoology Studies NAAS 5.53	2017; 5 (4): 1297-1300,ISSN : 2349-6800
303	2018	Utilization Pattern of Draught Animal Power by Different Categories of Farmers and their suggestions Regarding Efficient use of draught Animals	S.D.Gadekar, R.A.Patil and S.V.Swami	International Journal of Chemical Studies NAAS 5.31	2017; 5(4): 1472-1475, ISSN : 2349-8528

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304	2018	Growth action of land utilization pattern in Tamilnadu State.	Deshmukh K.V., R.D.Shelke and Rajlashmi.	Multilogic in Science NAAS 5.20	7(24):269-272. ISSN 2277-7601
305	2018	Comparative Study of Seasonal Pattern and Market Arrivals of Soybean in Latur District of Maharashtra	R.D.Shelke	International Journal of Current Microbiology and Applied Sciences NAAS 5.38	Special Issue-7:5346-5355
306	2018	Performance of stone grafts of different Mango (<i>Mangifera indica</i> L.) varieties under net house condition	A.S. Kadam, A.S. Lohakare, V.V. Bhagat, and S.P. Solanke	Multilogic in Science NAAS 5.20	6(19) , 200-202
307	2018	Genetic Variability studies in Chilli (<i>Capsium annum</i> L)	C. Vidya, V. S. Jagtap and N. Santhosh	Res. J. of Agri. Sci. An Inter. J. NAAS 5.54	9(19-21) 0976-1675
308	2018	Sodium Azide Induced Genetic Variability for Yield and Yield Contributing Traits in Groundnut (<i>Arachis hypogaea</i> L.).	A A Sayyed, V N Toprope and P B Wadikar	Research Journal of Agricultural Sciences NAAS 5.54	8(6): 1283-1286.
309	2018	Genetic Diversity Analysis in Chickpea (<i>Cicer arietinum</i> L.).	N. R. Thakur, V. N. Toprope and Koppuravuri Sai Phanindra	Int.J.Curr.Microbiol.App.Sci NAAS 5.38	Special Issue-6: 904-910.
310	2018	Combining Ability for Grain Yield and Its Related Traits in Pearl Millet (<i>Pennisetum glaucum</i> L.).	S. B. Badurkar, S. P. Pole, V. N. Toprope and N. P. Ingle	Int.J.Curr.Microbiol.App.Sci NAAS 5.38	Special Issue-6: 956-961.
311	2018	Studies on Combining Ability, Heterosis and Gene Action in Restorer Lines of Sunflower (<i>Helianthus annuus</i> L.).	P. S. Salke, Ranjeet Singh Jakhar, V. N. Toprope, N. P. Ingle and C. G. Fesate	Int.J.Curr.Microbiol.App.Sci NAAS 5.38	Special Issue-6:1267-1274.
312	2018	Estimation of Genetic Variability, Correlation and Path Analysis for Yield and Yield Contributing Traits in Chickpea (<i>Cicer arietinum</i> L.).	N.R. Thakur, V.N. Toprope and Koppuravuri Sai Phanindra	Int.J.Curr.Microbiol.App.Sci NAAS 5.38	7(2): 2298-2304.
313	2018	RAPD-based Assessment of Genetic Diversity in Upland Cotton (<i>Gossypium hirsutum</i> L.).	P.B. Wadikar , B.G. Solanki , D.H. Patel and A.V. Narwade	Multilogic in Science NAAS 5.20	6(19) 230-233.

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314	2018	Assessment of stability over environments in Upland Cotton (<i>Gossypium hirsutum</i> L.).	P.B. Wadikar , B.G. Solanki , G.O. Faldu and A.V. Narwade	Multilogic in Science NAAS 5.20	7(21) 230-233.
315	2018	Sodium Azide Induced Genetic Variability for Yield and Yield Contributing Traits in Groundnut (<i>Arachis hypogaea</i> L.).	A. A. Sayyed, V. N. Toprope and P. B. Wadikar	Research Journal of Agricultural Sciences NAAS 5.54	8(6): 1283-1286.
316	2018	Character association and component analysis for juice yield in Sweet Sorghum (<i>Sorghum bicolor</i> (L.) Moench).	P.B. Wadikar, S.V. Kuptekar and A.S. Deshmukh	Int. J. Curr. Microbiol. App.Sci., NAAS 5.38	6: 803-807. ISSN: 319-7706
317	2018	Genetic Variability Studies in Sweet Sorghum (<i>Sorghum bicolor</i> (L.) Moench).	P.B. Wadikar, D. L. Ubale, M. R. Magar and G.S.Thorat	Int. J. Curr. Microbiol. App.Sci., NAAS 5.38	6: 803-807.
318	2018	Character association and variability studies of yield and its attributing character in Groundnut (<i>Arachis hypogaea</i> L.).	P.B. Wadikar, A.D. Dake, M.V. Chavan and G.S. Thorat	Int. J. Curr. Microbiol. App.Sci., NAAS 5.38	6: 803-807.
319	2018	Genetic divergence analysis in sunflower (<i>Helianthus annuus</i> L.) restorer lines.	Sanju, Kamble, K. R., Pole, S. P. and Bhikane, M. U.	Int. J. Curr. Microbiol. App.Sci., NAAS 5.38	5: 742-749.
320	2018	Heterosis for yield and yield components in maize (<i>Zea mays</i> L.).	Pole, S. P., Chafekar, R. S., Deshmukh, A. S., Dake, A. D. and Bhikane, M. U.	Int. J. Curr. Microbiol. App.Sci., NAAS 5.38	6: 945-950.
321	2018	Combining ability for grain yield and its related traits in pearl millet (<i>Pennisetum glaucum</i> L.).	Badurkar, S. B., Pole, S. P., V. N. Toprope, and Ingle, N. P.	Int. J. Curr. Microbiol. App.Sci., NAAS 5.38	6: 956-961.
322	2018	Effect of levels and sources of sulphur on yield, quality and economics of niger	Chavan A.A. , Kalegore N.K. and Karle A.S.	Int. J. Curr. Microbial App. NAAS 5.38	Special , 6:1056-1060
323	2018	Effect of plant spacing and fertilizer levels on yield and yield attributes of castor (<i>Racinus communis</i> L.)	R.S. Shinde, N.K.Kalegore and Yogini M. Gagare	Int. J. Curr. Microbial App. NAAS 5.38	6:1738-1743

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324	2018	Production Constraint Analysis of Niger (<i>Guizotia abyssinica</i> L. Cass) in Vertisol	S.K. Krishna, V.P. Suryavanshi and D.B. Jadhav	International Journal of Current Microbiology and Applied Sciences NAAS 5.38	<i>Special Issue-5:154-158</i>
325	2018	Bio-Efficacy of different insecticides against pod fly, <i>Melanagromyza obtusa</i> (Malloch) and plume moth, <i>Exelastis atomosa</i> (Walsingham) infesting pigeonpea	K.R. Sonune and V.K. Bhamare	Int.J.Curr.Microbiol.App.Sci NAAS 5.38	<i>Special Issue-6: 2027-2035</i>
326	2018	Survival and development of American bollworm <i>Helicoverpa armigera</i> on <i>Bt</i> cotton hybrids of different events	P. Likhitha and V.K. Bhamare	Int.J.Curr.Microbiol.App.Sci NAAS 5.38	<i>Special Issue-6: 1130-1139</i>
327	2018	Survival and development of spotted Bollworm <i>Earias vittella</i> (Fabricius) on <i>Bt</i> cotton hybrids of different events	P. Likhitha and V.K. Bhamare	Int.J.Curr.Microbiol.App.Sci NAAS 5.38	<i>Special Issue-6: 1393-1407</i>
328	2018	Evaluation of safflower genotypes for their reaction to safflower aphid <i>Uroleucon compositae</i>	D. S. Mutkule, N. E. Jayewar, V.K. Bhamare and S. C. Kumbhar	Int.J.Curr.Microbiol.App.Sci NAAS 5.38	<i>Special Issue-6: 626-629</i>
329	2018	Honey bee visits on seed production in onion	G.M. Badade, P.K. Nalwandikar, M.M. Sonkamble and S.S. Shetgar	Indian Journal of Entomology, NAAS 5.89	<i>79 (4): 436-439, 0367-8288, 0974-8172</i>
330	2018	Effect of UVC Rays on Aqua Suspension Formulations of <i>Metarhizium Anisopliae</i> (Metschnikoff) Sorokin	S D Patil, R S Jadhav and S A Raut	Chem Sci Rev Lett , NAAS 5.21	<i>6(21), 137-142. 2278-6783</i>
331	2018	Effect of UVC Rays on Aqua Suspension Formulations of <i>Nomuraea Rileyi</i> (Farlow) Samson	S D Patil, R S Jadhav and S A Raut	Chem Sci Rev Lett , NAAS 5.21	<i>6(21), 159-165. 2278-6783</i>
332	2018	Evaluation of various aqua suspension formulations of <i>Metarhizium anisopliae</i> (Metschnikoff) Sorokin.	S D Patil and R S Jadhav	Int. J. plant Protec., NAAS 5.07	<i>10 (2): 256-262. 0976-6855</i>

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333	2018	Evaluation of various aqua suspension formulations of <i>Beauveria bassiana</i> (Balsamo) Vuillemin against <i>Helicoverpa armigera</i>	R S Jadhav and S D Patil	Int. J. plant Protec., NAAS 5.07	10 (2): 354-359. 0976-6855
334	2018	Potency of insecticidal combinations against bollworm complex of cotton	V.K. Bhamare and D.W. Wadnerkar	Journal of Pharmacognosy and Phytochemistry, NAAS 5.21	SP1: 1164-1168, 2278-4136, 2349-8234
335	2018	Effect of Graded Level of Nitrogen and Potassium on Yield and Quality of Sweet Potato (<i>Ipomoea batatas L.</i>)	Pushpalatha M., Vaidya P.H. and Adsul P.B.	Int. J, Curr, Microbiol,App, Sci NAAS 5.38	6 (5) 1689-1696
336	2018	Impact of Tank Silt and FYM Application on Soil Quality and Yield of Soybean (<i>Glycine max.L</i>) Under Inceptisol.	Patil P.D., Vaidya P.H, Dhawan A.S. and Kumbhar C.S.	Int. Journal of Chemical Studies NAAS 5.31	5(5) pp 962-18966
337	2018	Root nodules, yield and quality of soybean (<i>Glycine max l.merrill</i>) as influenced by foliar application of growth regulator.	Raut SG, Vaidya PH, Arsud PB and Aundhakar AV	Journal of Pharmacognosy and Phytochemistry; NAAS 5.21	SP 1: 130-132
338	2018	Effect of micro nutrient application on availability of Zn, Fe and B of Sunflower in Inceptisol	Kumbhar C. S., Indulkar B.S and Wagh C.B.	Int. J, Curr, Microbiol,App, Sci NAAS 5.38	6(11) 2017:438-442
339	2018	Comparative Study on Changes in Soil Quality Status of Farm College of Agriculture, Latur	Chadar B.R., Vaidya P.H and Chaudhari A.V.	Int. J, Curr, Microbiol,App, Sci NAAS 5.38	Sp.6 , 1598-1606.
340	2018	Characterization, Classification, and Soil Site Suitability Evaluation of Soils of Farm College of Agriculture, Latur Maharashtra.	Chadar B.R., Vaidya P.H., Kachave R.R. and Aundhakar A.V.	Journal of Pharmacognosy and Phytochemistry; NAAS 5.21	SP 6: 166-170
341	2018	Transformation of N,P,K and S as influenced by Micronutrients Application on Sunflower (<i>Helianthus annus L.</i>) in Inceptisols	Kumbhar C.S, Indulkar B.S., Vaidya P.H. Wagh C.B. and Ingole A. J.	Journal of Current Microbiology and Applied Science NAAS 5.38	Sp.6 , 1307-1312.

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342	2018	Effect of different levels of zinc on yield and quality of groundnut (<i>Arachis hypogea</i> L.) in inceptisol	Maharnor R. Y. , Indulkar B. S. , Lokhande P. B .and Jadhav L. S.	Int.J.curr.microbial.app.sci, NAAS 5.38	<i>special Issue - 6: 2843-2848</i>
343	2018	Effect of different levels of zinc on growth parameter viz root length and root nodulation and nutrient availability viz NPK and groundnut on inceptisol.	Maharnor R.Y, Indulkar B.S, Kadam D.V, Kadam V.S, Patil N.M.	Multilogic in science, Vii, NAAS 5.20	<i>special issue ICAAASTSD-2018,ISSN 2277-7601 .</i>
344	2018	Detection of Sunflower Seedborne Mycoflora and their Effect on Seed and Seedling Parameters	A. C. Patil, A. P. Suryawanshi, K. A. Anbhule, R. B. Raner and S. S. Hurule.	International J. of Current Microbiology and applied Science, NAAS 5.38	<i>Special issue 6 : 2509-2514</i>
345	2018	Bioefficacy of Bioagents against Pathogenic Mycoflora of Sunflower Seeds	A. C. Patil, A. P. Suryawanshi, K. A. Anbhule, S. S. Hurule and R. B. Raner	International J. of Current Microbiology and applied Science, NAAS 5.38	<i>Special issue 6 : 2515-2520</i>
346	2018	Efficacy of Seed Dressing Fungicides against Major Seed borne Fungi of Sunflower	A. P. Suryawanshi, A. C. Patil, K. A. Anbhule, S. S. Hurule and R. B. Raner	International J. of Current Microbiology and applied Science, NAAS 5.38	<i>Special issue- 6 :2521-2526</i>
347	2018	Detection of Sunflower Seedborne Mycoflora and their Effect on Seed and Seedling Parameters	A. C. Patil, A. P.Suryawanshi, K. A. Anbhule, R. B. Raner and S. S. Hurule.	International J. of Current Microbiology and applied Science, NAAS 5.38	<i>Special issue 6 : 2509-2514</i>
348	2018	Bioefficacy of Bioagents against Pathogenic Mycoflora of Sunflower Seeds	A. C. Patil, A. P. Suryawanshi, K. A. Anbhule, S. S. Hurule and R. B. Raner	International J. of Current Microbiology and applied Science, NAAS 5.38	<i>Special issue 6 : 2515-2520</i>
349	2018	Influence of hydrogen-ion concentration on variability in <i>Fusarium oxysporum</i> f. sp. <i>ricini</i> causing wilt of castor	V. G. Mulekar, A. G. Desai and C.V. Ambadkar.	Multilogic in Science, NAAS 5.20	<i>7(23): 67-70</i>
350	2018	Changes in enzyme activities during storage of Pearl millet hybrids and their parental lines (<i>Pennisetum glaucum</i> L. R. Br.)	B. G. Kamble, S. T. Rathod and V. G. Mulekar.	International Journal of Current Microbiology and Applied Science, NAAS 5.38	<i>Special Issue No. 6: 2254-2261</i>

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351	2018	Integrated Management of white rust of mustard	Seeta S. Salunke Sunita J. Magar, And S.D. Somwanshi	International J. of Current Microbiology and applied Science NAAS 5.38	<i>Special issue 6 : 2112-2216</i>
352	2018	Physical Properties of Papaya Ring Spot Virus.	S.S. Limkar Sunita J. Magar, ,S.D. Somwanshi, and H.V.Markad	International J. of Current Microbiology and applied Science NAAS 5.38	<i>Special issue 6 : 1918-1924</i>
353	2018	Epidemiology of sunflower necrosis	P. M. Khandare,Sunita J. Magar and V. A. Kadam	International J. of Current Microbiology and applied Science NAAS 5.38	<i>Special issue 6 : 2402-2407</i>
354	2018	Effect of Date of Sowing on Anthracnose of Rajmah	A. S. Padul, Sunita J. Magar and S. D. Somwanshi	International J. of Current Microbiology and applied NAAS 5.38	<i>Science Special issue-6 :2546-2553</i>
College of Agriculture Badnapur					
355	2018	Cost analysis of low-calories and low – sugar <i>Kalam</i>	S.P.Shinde, B.C.Andhare and D.B.Suryawanshi	Journal of Pharmacognosy & Phytochemistry NAAS 5.21	7(1):1324-1325
356	2018	Process Standardization of low-calories and low –sugar <i>Kalam</i>	Santosh P.Shinde, Balasaheb C.Andhare, sahar Masud, Tushar A.Maske, and Vishal S. Dhumal	The Pharma Innovation NAAS 5.03	,7(3):142-147
357	2018	Studies on sensory attributes of paneer prepared by toned milk using sago powder	T.A.Maske, B.C.Andhare V.S.Dhumal and S.P.Shinde	Journal of Pharmacognosy and Photochemistry NAAS 5.21	7(1S):2853-2855
358	2018	Studies Of Different Physiological Parameters In Sorghum Under Decreasing Levels Of Soil Moisture At Field Condition	Sujata .B Pawar and Sharad Gadakh	International Journals Of Chemical Studies NAAS 5.3	6 (5) :3379-3383
359	2018	Behavior Of Sorghum Cultivars Under Decreasing Levels Of Soil Moisture Condition	Sujata .B Pawar And Sharad Gadakh	International Journal Of Current Microbiology And Applied Sciences NAAS 5.3	7 (9): 1906-1913
360	2018	Effect of Potassium and Zinc Solubilizing Microorganism on Nutrient Uptake and Microbial Population of Mungbean.	Navsare,R.I., Mane, S.S.and Mahorkar,K.D.	Int. J. Curr. Microbiol. App.Sci. NAAS 5.38	7(2):682-685.

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361	2018	Effect of Potassium and Zinc Solubilizing Microorganism on growth, yield and quality of Mungbean.	Navsare,R.I., Mane,S.S. and Supekar,S.J.	International Journal of Chemical Studies. NAAS 5.31	6(1):1996-2000.
362	2018	Response of black gram to graded levels of potassium in yield and yield components.	Adsure,V.K.,S.S.Mane and Patil,A.B.	International Jr of Chemical Studies. NAAS 5.31	6(4): 2063-2067.
363	2018	Assessment of soil fertility status of Agril. Research Station,Badnapur, India.	Dhanve,S.S.,Mane,S.S. and G.B.Deshmukh	Int..J.Curr..Microbiol.App.Sci NAAS 5.38	6,2424-2429.
364	2018	Effect of Graded Levels of Potassium on Growth, Yield and Quality of Black Gram.	Chaudhari ,A.V.,Mane,S.S. and Chadar,B.R.	Int.J.Curr.Microbiol.App.Sci. NAAS 5.38	6,1607-1612.
365	2018	Effect of graded levels of potassium on yield and major nutrient uptake of black gram.	Adsure,V.K.,Mane,S.S.and Supekar,S.J.	International Journal of Chemical Studies. NAAS 5.31	6(2):2980-2982
366	2018	Evaluation of the fertility Status of Pomogranate Orchard Soils of Jalna District, India.	Patil,A.B.,S.S.Mane and Chaudhari,A. V.	Int.J.Curr.Mirobiol.App.Sci NAAS 5.38	7(4):xx-xx
367	2018	Study of Cropping Pattern followed by Awardee Farmers in Marathwada Region.	A.R. Mergewar, Deshmukh P.R., Deshmukh N.D.	Multilogic in Science NAAS 5.20	
368	2018	Suggestions Given by Awardee Farmers for Improving the Agri. in Marathwada Region of Maharashtra State, India.	A.R. Mergewar, P.R. Deshmukh and N.D. Deshmukh	International Journal of Current Microbiology and Applied Sciences NAAS 5.38	
369	2018	Economic Performance of Tissue Culture & Conventional Banana Growers.	J.R. Wadkar, V.B. Kamble, N.D. Deshmukh and S.D. Wangikar	International Journal of Current Microbiology and Applied Sciences NAAS 5.38	
370	2018	Management Efficiency of Tissue Culture & Conventional Banana Growers.	J.R. Wadkar, N.D. Deshmukh, V.B. Kamble and S.D. Wangikar	International Journal of Current Microbiology and Applied Sciences NAAS 5.38	
371	2018	Bio-efficacy of Different Insecticides against aphids and whiteflies in transgenic cotton	PandurangGhadge, B. V. Patil, M.R. Misal and N. R. Pawara	Electronic International Interdisciplinary Research Journal(EIIRJ) NAAS 5.2	

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372	2018	Effect of Biorational Control on Predatory Pentatomid Bugs in Soybean	M. R. Misal , B. V. Patil And P. J. Shedge	International Journal of Current Microbiology And Applied Sciences NAAS 5.38	
373	2018	Management of Spodopteralitura in Soybean Through BiorationalApproches	M.R. Misal ,B V Patil, and P.B. Khaire	International Journal of Current Microbiology And Applied Sciences NAAS 5.38	
College of Agriculture Golegaon					
374	2018	Response of growth and yield of Bt cotton to planting densities as influenced by growth regulators	OS Khetre, VS Shinde, BV Asewar and Mirza IAB	International Journal of Chemical Studies NAAS 5.31	6(4): 485-488
375	2018	Studies of yield & economic parameters as influenced by planting densities& growth regulators in Bt cotton	OS Khetre, VS Shinde, BV Asewar and Mirza	international Journal of Chemical Studies NAAS 5.31	6(4): 711-714
376	2018	Influence of Dates of Sowing on Kharif Green Gram [Vigna radiate (L.) Wilczek] Varieties Under Varied Weather Conditions	B.R. Bobade, B.V. Asewar and R.R.Vikhe	Trends in Biosciences NAAS 3.94	11(6): 794-796
377	2018	Behavior of Sorghum Cultivars under Decreasing Levels of Soil Moisture Condition	Sujata Pawar, S. R. Gadakh and B. V. Asewar	J. Agric. Res. Technol., NAAS 4.18	43 (2): 414-420
378	2018	Dry Spell Management in Rainfed Bt Cotton Through Various Stress Management Practice	A. K. Gore, B. V. Asewar, G. K. Gaikwad, M. S. Pendke and S. H. Narale	J. Agric. Res. Technol., NAAS 4.18	43 (2) : 283-289
379	2018	Computerized Seed Imaging: It's Application in Seed Science Research	S. N. Devkule, A.D.Autade and G.W. Narkhade	Agriculture Update NAAS 5.20	Vol. 12 (4) : 284-286
380	2018	Application of Synseed Technology In Seed Production	S. N. Devkule, G.W. Narkhade and .D.Autade,	Multilogic in Science Vol. VII, Issue XXIV: NAAS 5.20	VII (XXIV): 152-154 ISSN: 2277-7601
381	2018	Effect of Priming on Yield of Soybean (Glycine max (L.) Merrill)	D. C. Shete, S. N. Devkule and A. D. Autade.	International Jr.l of Current Microbiology & Applied Sciences. NAAS 5.38	Special Issue-6 : 109-111

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382	2018	Genetic Variability Studies in Chickpea (<i>Cicer arietinum</i> L.)	S.S. Munde, S.B. Sarode, S. N. Devkule and A.D. Autade.	International Journal of Current Microbiology and Applied Sciences. NAAS 5.38	Special Issue-6 : 1881-1884
383	2018	Growth, Yield Attributes and Yield of Pigeonpea + Niger Intercropping System as Influenced by Planting Pattern under Rainfed Condition of Marathwada Region	Y. Lavanya and N. G. Kurhade	Int.J.Curr.Microbiol.App. Sci NAAS 5.38	7(11): ISSN: 2319-7706
VDCO Agriculture Biotech Latur					
384	2018	Concerns regarding 'off-target' activity of genome editing endonucleases	U.S. Kadam, R.M. Shelake, R.L. Chavhan, P. Suprasanna	Plant Physiology and Biochemistry(NAAS Rating: 11.44)	131: 22-30
385	2018	First report of anthracnose caused by <i>Colletotrichum spaethianum</i> on <i>Allium ledebourianum</i> in India	V.N. Salunkhe, S. Anandhan, S.J. Gawande, R.B. Ikkar and Y.S. Bhagat	Plant Disease (NAAS Rating: 10.61)	102 (10):2031
386	2018	Transcriptomic signature reveals mechanism of flower bud distortion in witches'-broom disease of soybean (<i>Glycine max</i>).	Jaiswal Sarika, Jadhav P. V. , Jasrotia R. S. , Kale P. B. , Kad Snehal K. , Moharil M. P., Dudhare M. S., Kheni J., Deshmukh A. G	BMC Plant Biology. (NAAS Rating: 9.96)	19:26
387	2018	Analysis of Genetic Diversity in <i>Sclerotium rolfsii</i> Causing Collar Rot of Chilli by RAPD	A.T. Daunde, K.T. Apet and R.L. Chavhan.	Int. J. Curr. Microbiol. App. Sci., (NAAS Rating: 5.90)	7(12) pp-91-99
388	2018	Analysis of Genetic Diversity of <i>Fusarium udum</i> Causing Wilt of Pigeon Pea	A. S. Birajdar, A. S. Deshmukh, R. L. Chavhan and U. S. Kadam.	Int. J. Curr. Microbiol. App. Sci., (NAAS Rating: 5.90)	Vol. 6 pp-843-852
389	2018	Sequence analysis of coat protein and molecular profiling of sunflower necrosis virus (SNV) strains from Indian subcontinent.	R. L. Chavhan, M. K. Verma, V. R. Hinge, U. S. Kadam, S. B. Kokane, P. K. Chakrabarty	J. Plant Biochem. Biotechnol. (NAAS Rating: 7.53).	27: 28-35 (DOI 10.1007/s13562-017-0412-z)
390	2018	Real-time PCR assay for rapid, efficient and accurate detection of <i>Paramyothecium roridum</i> a leaf spot pathogen of <i>Gossypium</i> Species.	R. L. Chavhan, V. R. Hinge, U. S. Kadam, B. B. Kalbande, P. K. Chakrabarty	J. Plant Biochem. Biotechnol. (NAAS Rating: 7.53)	27 (2): 199-207

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391	2018	Cultural, Morphological and Molecular Variability of <i>Fusarium oxysporum</i> f. sp. <i>udum</i> Isolates by RAPD Method	P.H. Ghante, K.M. Kanase, S.P. Kale, R.L. Chavan, K.M. Sharma and S.B. Ghuge	Int.J.Curr.Microbiol.App.Sci (NAAS Rating: 5.90).	7(10): 2109-2122
392	2018	Post harvest losses in different varieties of onion	Kalyani Gorrepati, Yogesh Bhagat and Jai Gopal	Indian Journal of Horticulture (NAAS Rating: 6.0)	75(2): 314-318
393	2018	Effect of Bt-cotton toxin on rhizosperic PSB against Reddening effect and genetic diversity analysis in Marathwada region". <i>Vidyawarta</i>	Dhawale R. N., Waghmare A. N., Bharose A. A. and Patil H. B.	Journal, MAH MUL /03051 / 2012 (NAAS Rating: 4.75)	MAH MUL 03051 / 2012
394	2018	Isolation and Identification of <i>Elsinoe ampelina</i> Associated with Grapevine from Marathwada Region	M. A. Mane, S. S. Bodke and R. N. Dhawale	International Journal of Current Microbiology and Applied Sciences (NAAS Rating: 5.2)	ISSN: 2319-7692 Special Issue-6 1068-1078
395	2018	Isolation and Identification of <i>Plasmopara viticola</i> Associated with Grapevine from Marathwada Region	M. A. Mane, S. S. Bodke and R. N. Dhawale	International Journal of Current Microbiology and Applied Sciences (NAAS Rating: 5.2)	ISSN: 2319-7692 Special Issue-5, October-2017) 714-728
396	2018	Isolation and Identification of <i>Uncinula necator</i> Associated with Grapevine from Marathwada Region	M. A. Mane, S. S. Bodke and R. N. Dhawale	International Journal of Current Microbiology and Applied Sciences (NAAS Rating: 5.2)	ISSN: 2319-7706 Special Issue-5(October-2017) 729-741
397	2018	Effect of copper nanoparticles on growth promotion of tomato (<i>Solanum lycopersicum</i>).	M. B.Tupkar, S. R. Bhalerao, N.D. Patil, P.V.Khune and P.R. Gund.	Multilogic in Science. (NAAS Rating 5.2)	(VIII)XXVII:6 5-69
398	2018	Sequence analysis of coat protein and molecular profiling of sunflower necrosis virus (SNV) strains from Indian subcontinent.	Chavhan, R. L., Verma, M. K., Hinge, V. R., Kadam, U. S., Kokane, S. B., and Chakrabarty, P. K.	Journal of Plant Biochemistry and Biotechnology (NAAS Rating: 7.53)	Vol. 27, 28-35.

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399	2018	Real-time PCR assay for rapid, efficient and accurate detection of <i>Paramyothecium roridum</i> a leaf spot pathogen of <i>Gossypium</i> Species.	R. L. Chavhan, V. R. Hinge, U. S. Kadam, B. B. Kalbande, P. K. Chakrabarty	J. Plant Biochem. Biotechnol. (NAAS Rating: 7.53)	Vol. 27, 199-207
400	2018	Standardization of Isolation of Genomic DNA from <i>Senna obtusifolia</i> .	Malage D. R., Dudhare M. S, Bangar S. S., Wagh H., Rathod J., Jadhao P. V. and Gade R. M.	International Journal of Current Microbiology (NAAS Rating: 4.95)	Special Issue-6 pp. 647-652.
401	2018	Isolation, Characterization and Identification of Endophytes from <i>Curcuma longa</i> .	Deshmukh A. G., Patil V. B., Kale S. K. and Dudhare M. S.	International Journal of Current Microbiology (NAAS Rating: 4.95)	Special Issue-6. pp. 653-671.
College of Horticulture Parbhani					
402	2018	Response of garden pea to different spacing and fertilizer levels.	B.M. Kalalbandi, A.S. Lohakare and D.B. Kadre.	Multilogic in Science. NAAS (5.20)	8 (26):205-207.
403	2018	Effect of different media and bio-inoculants on seed germination of Rangpur lime (<i>Citrus limonia</i> Osbeck.)	R.V. Nainwad., B.M. Kalalbandi, S.M. Hade and G.S. Pokharna	Journal of Pharmacognosy and Phytochemistry ; NAAS (5.23)	7(5): 488-489
404	2018	Standardization of Period for Soft Wood Grafting in Custard Apple (<i>Annona squamosa</i>)	S.V. Dhutraj, B. M. Kalalbandi and V.P. Damodhar	Int.J.Curr.Microbiol.App.Sci Special Issue- NAAS (5.31)	6: 246-251
405	2018	Effect of drying methods on nutritional and qualitative composition of bitter gourd (<i>Momordica charantia</i> L.) under Parbhani	G.M. Waghmare, A.M. Bhosale, B.M. Kalalbandi and A.K. Padole	Int.J.Curr.Microbiol.App.Sci Special Issue- NAAS(5.31)	6: 246-251
406	2018	Effect of bio fertilizers and inorganic fertilizers on growth and yield of guava (<i>Psidium guajava</i> L.) CV.L-49 (Sardar) under meadow Orchard	Khan Ameer, G.M.Waghmare and V.V. Bhagat	Multilogic in science NAAS (5.21)	VOL,VII,ISSU XXV April
407	2018	Effect of drying method on nutritional and qualitative composition of Bitter gourd (<i>Momordica charantia</i> L.) under Parbhani	G.M.Waghmare, A.M. Bhosle, B.M.Kalalbandi and A.K.Padole	International Journal of Chemical Studies. NAAS (5.31)	6(4) 1306-1310

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408	2018	Influence of harvest treatment on shelf life of Banana (<i>Musa paradisiaca</i> L.) cv. Grand naine	S.J.Sayyad, V.S.Khandare and G.M.Waghmare	Multilogic in Science NAAS (5.21)	Volume VII special issue ICAAASTSD 277-279
College Of Community Science Parbhani					
409	2018	Experiences of Slum Adolescent Girls About Menarche and its Management	Bangale J and Kamble A	Ajanta An International Multidisciplinary Quarterly Research Peer Reviewed Referred and UGC listed Jr.NO.40776NAAS 5.5.	Vol. VII (iv) PP 106-112.
410	2018	Causes and remedies for behavioural problems in preschool students,	Bhalerao VS, Patnam V N and Kulkarni MS B	Multilogic In Science, NAAS 5.20	Vol. VIII (XXVI) pp. 231-235
411	2018	Time spending pattern of homemakers in different stages of family life cycle	Garad G;, M. Kulkarni and H. Sarambekar	Multilogic in science, NAAS: 5.2	VIII (XXVII) pp: 116-119
412	2018	Health related problems of selected women with different body types	Kulkarni M.S. and N.K. Parve	Multilogic in science, NAAS: 5.2	VIII (XXVII) pp: 206-208
413	2018	A study on Awareness of Patterns Current Fashion Trend in Salwar Suit and and Problem Faced by College Going Students	Medha Umrikar	Multi logic in Science NAAS– 5.20	Vol –VII, Issue-XXV
414	2018	Knowledge and adoption of Khoa Production Practices in Osmanabad district of Marathwada region	S. G. Puri, P. N. Karanjikar and K. K. Nand	International Journal of Current Microbiology and Applied Science NAAS : 5.38	Vol. 6 : 2285-2293
415	2018	Major constraints faced and socio – economic impact of khoa production on producers of major khoa producing areas of Marathwada region	Kamble N.S., G.K.Londhe and S.G.Puri.	Journal of Pharmacognosy and Phytochemistry NAAS :5.21	Vol. 7(5): 378-380
College Of Agricultural Engineering And Techonology Parbhani					
416	2018	Shelf Life Assessment Of Minimally Processed Garlic Cloves At Refrigerated Condition	S. H. Sarwade, P. G. More and S. S. Housalmal	Multilogic In Science, NAAS 5.20	VIII(XXV) 2277-7601/

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417	2018	Optimization of Machine Parameters for Grading of Sapota through Trommel Screen Grader	Ankit Kumar, Smita U. Khodke, Gurdeep Lal and Aminul Islam*	Indian Journal of Ecology NAAS 5.79	45(1): 205-209
418	2018	Effect of packaging materials and sealing method on sensory properties of foam mat dried mango leather during storage	Sukannya Housalmal Smita Khodke	Multilogic in Science NAAS-5.20	Vol.VIII, Issue XXV,
419	2018	Comparative Performance of Different Reference Evapotranspiration Estimation Methods for Parbhani	H.W. Awari U.M. Khodke and V.K. Ingle	Trends in Biosciences, NAAS	11(4) : 529-534.
420	2018	Development of Modified Crop Coefficients Based on Weather Parameters of Parbhani for <i>Kharif</i> Crops	H.W. Awari U.M. Khodke and V.K. Ingle	Trends in Biosciences, NAAS	11(4) 529-534,
421	2018	Comparison of Water Requirement and Water Released in Command Area of Branch Canal 70 of Jayakwadi Irrigation Project	S.B. Tarate and H.W. Awari	Indian Jr. of Ecology NAAS 5.79	45(1) 135-139
422	2018	Performance Evaluation of Water Delivery System for Command Area of Branch Canal 70 of Jayakwadi Irrigation Project	S.B. Tarate and H.W. Awari	Indian Jr. of Ecology NAAS 5.79	45(4) 750-755
College of Food Techonology Parbhani					
423	2018	Evaluation of physicochemical composition of gradencress seed (<i>Lepdiumsativum</i>) and black gramsp lits (<i>VignamungoL.</i>)	Talpade, N.N., Pawar, V.S.,Farooqui, A.S.,Sontakke, M.D.and SyedH.M.	International Journal of Chemical StudiesNAAS:5.31	6(2):2790-2793
424	2018	Formulation and organoleptic evaluation Of papad prepared with incorporation of garden cressseed powder (<i>Lepdiumsativum</i>)	Talpade, N.N., Pawar, V.S., Sontakke, M.D., Syed H.M., Farooqui, A.S.	Journalof Pharmacognosy And phytochemistry NAAS:5.21	7(2):2989-2992

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425	2018	Studies on effect of composite flour on some important quality attributes of fermented idli	Pawar, V.S., Syed Zubair, Pati, B.M. and Salve, R.V.	International Journal of Chemical Studies NAAS:5.31	6(2):1430-1433
426	2018	Formulation and quality evaluation of protein rich supplementary food	Salve, R.V., Pawar, V.S., Syed, H.M., Patil, B.M. and Syed Zubair	International Journal of Chemical Studies NAAS:5.31	6(2):1885-1889
427	2018	Soybean: A novel food grain for human health : A review	Pawar, V.S., Patil, B.M., Syed Zubair and Salve, R.V.	International Journal of Chemical Studies NAAS:5.31	6(2):1894-898
428	2018	Analysis of protein isolates from selected soybean varieties	P.P. Thakur, V.S. Pawar, H.M. Syed and D.M. Shere	Multi logic in sciences NAAS:5.20	7(15):210-213
429	2018	Effect of germination on proximate and phytochemical content of horse gram and green gram malt	Sadawarte, S.K., Pawar, V.S., Sawate, A.R., Thorat, P.P. and J. Surendra	International Journal of Chemical Studies NAAS:5.31	6(3):1840-1844
430	2018	Effect of germination on vitamin and mineral content of horse gram and green gram malt	Sadawarte, S.K., Pawar, V.S., Sawate, A.R., Thora, P.P. and J. Surendra	International Journal of Chemical Studies NAAS:5.31	6(3):1761-1764
431	2018	Studies on process standardization and quality evaluation of ready to eat extruded products by using composite flour	S.D. Katke, V.S. Pawar and M. AbdrR.	Journal of pharmacognosy and phytochemistry NAAS:5.21	7(6):2497-2500
432	2018	Drying characteristics on physicochemical characteristics of tomato powder	J. Surendra, Shere, D.M., K.S. Gadhe and Sawate A.R.	International Journal of Chemical studies NAAS :5.31	6(3):237-239
433	2018	Effect of drying on quality characteristics of dried tomato powder	J Surendra, Shere, D.M., and Shere P.D.	Journal of pharma cognosy & phytochemistry NAAS:5.21	7(2):2690:2694
434	2018	Studies on utilization of jaggery extracted from sugar beet (<i>Beta vulgaris</i>) in cookies	Punde M.A., Gadhe, K.S., Thorat, P.P. and Shere D.M.	International Journal of Chemical studies NAAS:5.31	6(2):3590-3592
435	2018	Standardization of jaggery based kagzilime RTS beverage with incorporation of spice extract	R.D. Walhekar, K.S. Gadhe and G.B. Mandalik	Journal of pharmacognosy and Phytochemistry NAAS:5.21	7(2)3959-3962

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436	2018	Standardization of kagzilime RTS beverage with incorporation of spice extract	R.D. Walhekar, K.S. Gadhe and G.B. Mandalik	International Journal of Chemical studies NAAS:5.31	6(2):3192-3195
437	2018	Studies on physicochemical and sensory quality of noodles incorporated with fenugreek leaves (<i>Trigonella foenum-raceum L.</i>) puree	Mohammed Najeeb, Shere, D.M., Syed Zubair, Sawate, A.R. and Gadhe. K.S.	International Journal of Chemical studies NAAS:5.31	6(2):3150-3153
438	2018	Studies on extraction of essential oils from spices (Cardamom and cinnamon)	Sontakke, M.D., Syed, H. Mand Sawate, A.R.	International Journal of Chemical studies NAAS:5.31	6(2):2787-2789
439	2018	Studies on evaluation of physicochemical and nutritional properties of fresh turmeric Rhizome	Mane, R.P., Kshirsagar, R.B., Sawate, A.R., Patil, B.M. and Kale, R.G.	Journal of pharmacognosy and Phytochemistry NAAS:5.21	7(2):2895-2897
440	2018	Studies on proximate and phytochemical properties of Stevia (<i>Stevia rebaudiana</i>) leaves powder	Deshmukh, N.M., Sawate, A.R., Desai, G.B., Thorat, P.P., Kshirsagar, R.B. and Patil, B.M.	International Journal of Chemical studies NAAS:5.31	6(2):2231-2233
441	2018	Effect of fortification of Jamun seed (<i>Syzygium cumini</i>) powder on nutritional and sensory quality of herbal multigrain cookies	Desai, G.B., Sawate, A.R., Taur, A.T., Thorat, P.P., Deshmukh, N.M., Kshirsagar, R.B. and Patil B.M.	International Journal of Chemical studies NAAS:5.31	6(2):1083-1087
442	2018	Studies on chlorophyll content and colour characteristics of lemongrass (<i>Cymbopogon citrates</i>) powder	Thorat, P.P., Sawate, A.R., Patil, B.M. and Kshirsagar, R.B.	International Journal of Chemical studies NAAS:5.31	6(2):437-439
443	2018	Effect of processing on proximate and phytochemical content of mango (<i>Mangifera indica</i>) Kernel	Gumte, S.V., Taur, A.T., Sawate, A.R. and Thorat, P.P.	International Journal of Chemical studies NAAS:5.31	6(2):3728-3733
444	2018	Effect of fortification of mango (<i>Mangifera indica</i>) kernel flour on nutritional, Phytochemical and textural properties of biscuits	Gumte, S.V., Taur, A.T., Sawate, A.R. and Kshirsagar, R.B.	Journal of pharmacognosy and Phytochemistry NAAS:5.21	7(3):1630-1637

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445	2018	Microencapsulation of probiotic culture beads by using modified Psyllium husk	S.A.S.Hashmi, H.W.Deshpande, A.S.Farooqui, H.M.Syed and M.D.Sontakke	International Journal of Current Microbiology and Applied Sciences NAAS:5.38	7(5) 392-400
446	2018	Standardization of acid concentration and solvent ratio for modification of psyllium husk (<i>Plantago ovate F.</i>)	Syed, K.A., Syed, H.M., Deshpande, H.W. and Sawate, A.R.	International Journal of Chemical studies NAAS:5.31	6(2):2318-2323
447	2018	Effects of acid modified psyllium husk (<i>Plantago ovate F.</i>) incorporation on the physical properties and color tonality of cookies	Syed, K.A., Syed, H.M., Sawate, A.R. and Deshpande, H.W.	International Journal of Chemical studies NAAS:5.31	6(3):3036-3042
448	2018	Study of physico-chemical characteristics of bael (<i>Aegle marmelos</i>) fruit	K.R.Sawale, H.W.Deshpande and D.B.Kulkarni	Journal of pharmacognosy and Phytochemistry NAAS:5.21	7(5):173-175
449	2018	A review on probiotic beverage using vegetables	Shaikh, Uzma A., Deshpande, H.W. and Kulkarni, D.B.	International Journal of Chemical studies NAAS:5.31	6(5):61-65
450	2018	Studies on physico-chemical properties and nutritional profile of sweet sorghum	Samarth, A.G., More D.R. and Imran Hashmi	International Journal of Chemical studies NAAS:5.31	6(2):2826-2828
451	2018	Studies on screening of sweet sorghum cultivars for tender sweet sorghum (Hurda)	Samarth, A.G., More, D.R., Syed Imran Hashmi and Sontakke, M.D.	Journal of pharmacognosy and Phytochemistry NAAS:5.21	7(2):2698-2700
452	2018	Studies on development of technology for preparation of cookies incorporated with quinoa seed flour and its nutritional and sensory quality Evaluation	Mohammad Nisar., More D.R., Syed Zubair, Sawate A.R. and Hashmi S.I	International Journal of Chemical Studies NAAS:5.31	6(2)
ATIC PARBHANI					
453	2018	Effect of different spacing on growth and yield of BBF raised summer groundnut (<i>Arachis hypogea L.</i>) under drip irrigation)	G.D.Gadade, R.V. Dhopte and U.M. Khodke.	Int.J. Curr. Microbial. App. NAAS(5.38)	<i>Special Issue</i> 5: 593-597

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454	2018	Yield and Economics of Summer Groundnut as Influenced by Different Irrigation Levels and Mulches	D.R. Kamble, D.N. Gokhale, G.D. Gadade and P.B. Jadhav.	Int.J.Curr.Microbiol.App.Sci (2018) NAAS (5.38)	Special Issue-6 :135-139
455	2018	Yield and economics of drip irrigated turmeric (<i>Curcuma longa</i> L.) as influenced by irrigation and fertigation levels.	G.D.Gadade, U.M. Khodke, A.S.Kadale and K.T.Jadhav.	Multilogic in sci. NAAS (5.20)	(XIV): 234-238
456	2018	Study of Relationship Between the Profile of farm women labourer and drudgery involved in farm operations	J.V.Ekale, M.V.Kulkarni, Pravin Chavan, H.S.Dudhal	Int.J.of Curr. microbiology and Applied Science (2018) NAAS 5.38	Vol.8 No.2
EXTN AGRON. AJOGAI					
457	2018	Integrated Nutrient Management Practices to Enhance Yield and Quality of Cowpea (<i>Vigna unguiculata</i> L.)	B.Vibhajan Sagal Kiran , N.K. Kalegore, V.P.Suryavanshi and A.K. Ghotmukale	International Journal of Current Microbiology and Applied Sciences (NAAS: 5.38)	Vol 7 (10): 1321-1325
KVK KHAMGAON					
458	2018	Yield and Economics of Pigeonpea based Intercropping Systems as Influenced by Different Land Configurations.	Garud H.S., Asewar B.V., S.U. Pawar I.A.B. Mirza	Agricultural Science Digest NAAS 4.21	Vol. 38 (4) 275-279 2018
459	2018	Performance of Different Land Configuration under Pigeonpea based Intercropping Systems	Garud H.S., Asewar B.V., S.U. Pawar Gokhale D.N.	Journal of Multilogic in Science NAAS 5.20	Vol.VIII, Issue XXV 152-155 April 2018
460	2018	Effect of intercropping systems on pigeonpea equivalent yield under different land configuration	Garud H.S., Asewar B.V., Khazi G. S., Khargkharate VK G.D. Gadade	Journal of Pharmacognosy and Phytochemistry NAAS 5.21	Vol.7 (6): 525 527 2018

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Research Stations					
1	2019	Response of mechanization levels and insitu rainwater conservation practices, their energy dynamics on production potential of soybean (Glycine max) under rainfed condition.	B.V. Asewar, M.S.Pendke S. H. Narale A.K. Gore, G. Ravindra Chary P Gopinath	Indian Journal of Agronomy NAAS:5.68	, Vol. 65 (4) pp:451-455
2	2019	Boron availability n soil and its 5nutrition of crops u6nder long term fertility experiment in India	Ruma Das, Biswapati Mandal, W.N. Narkhede	<i>Geoderma</i> NAAS:9.74	(351), 116-129.
3	2019	Growth yield and economic11s of soybean- safflower cropping sequence as influenced by different land configuration and nutrient management	Bhadre C.K. W.N.Narkhede and D. N. Gokhale,	Journal of Pharmacognosy and Phytochemistry NAAS:5.21	(8) 169-173
4	2019	Effect of different bio intensive cropping systems on yield, economics and soil properties of vertisols in Marathwada region	W.N. Narkhede, Khandare R.N.	<i>International Journal of Chemical Studies</i> NAAS:5.31	7 (1) 1570-1575.
5	2019	Effect of various mulches and irrigation levels on root zone temperature, growth and fruit yield of water melon.	P.S. Pawar, A.S.Kadale and G.D. Gadade	<i>Int. J. Current. Microbiol. App. Sci</i> (NAAS Rating 5.38)	8 (10): 2566-2576.
6	2019	Effect of different mulches on soil moisture conservation and yield of drip irrigated water melon.	P.S. Pawar, A.S.Kadale and G.D. Gadade	<i>Ind. J. Soil. Cons.</i> (NAAS Rating 5.20)	47 (2): 30-38.
7	2019	RNAi mediated gene silencing and it's application for crop improvement : A review	Jadhav R A, S P Mehtre, Patil D K.	Journal of Pharmacology and Phytochemistry NAAS 5.21	SP2: 222-225

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8	2019	Mapping of Quantitative Trait Loci (QTLs) Associated with Sugarcane Aphids Resistance in Recombinant Inbred Population of Sorghum [<i>Sorghum bicolor</i> (L.) Moench]	S. P. Mehtre, C. T. Hash, H. C. Sharma, S. P. Deshpande and G. W. Narkhede.	Int J. Curr. Microbiol. App. Sci. NAAS 5.38	8 (3): 2593-2602
9	2019	Genetics of shoot fly resistance in a Recombinant Inbred Lines Population of Sorghum [<i>Sorghum bicolor</i> (L.) Moench]	S. P. Mehtre, C. T. Hash, H. C. Sharma, S. P. Deshpande and G. W. Narkhede.	Int J. Curr. Microbiol. App Sci. NAAS 5.38	8(3): 2603-2612
10	2019	Identification of QTLs and candidate genes for high grain Fe and Zn concentration in sorghum [<i>Sorghum bicolor</i> (L.) Moench]	Anuradha Kotla, Rahul Phuke, K Hariprasanna, Shivaji P Mehtre, Abhishek Rathor, Sunitha Gorthy, Rakesh K Srivastava, Roma Das, A Bhanu Prakash, K Radhika, C Tom Hash, Belum VS Reddy, JV Patil, Farzana Jabeen, D Shashikanth, Jayakumar Jagannathan, Anil Gaddameedi, Vangala Subhasini, Santosh P Deshpande, A Ashok Kumar.	Journal of Cereal Science NAAS 8.30	90: 102850
11	2019	Effect of different fertilizer levels on yield of grain sorghum genotypes.	Pritam O Bhutada R.L. Aundhekar and S.P. Mehtre.	International journal of Chemical Studies NAAS 5.31	7 (3) : 1872-1874
12	2019	Effect of time nitrogen fertilizer application on growth and yield of grain sorghum.	U.N. Alse, P.O. Bhutada and S.P. Mehtre.	Int. J.Curr. Microbiol. App. Sci. NAAS 5.38	8 (5) : 987-992
13	2019	Correlation and Path Analysis Studies on Yield and its Components in Mung Bean [<i>Vigna radiata</i> (L.) Wilczek]	R.A.Jadhav, S.P.Mehtre and D.K.Patil	Int. J.Curr. Microbiol. App. Sci. NAAS 5.38	8 (7): 699-720
14	2019	Development and performance evaluation of tractor drawn turmeric digger cum separator.	Shailaja Deshvena,R.T.Ramtekeand S.N.Solanki.	International Journal of Current Microbiology and Applied Sciences NAAS 5.38	Vol.8(02)

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15	2019	Performance evaluation of tractor drawn turmeric digger.	Deshvena Shailaja, R.T. Ramteke and S.N. Solanki	International Journal of Current Microbiology and Applied Sciences NAAS 5.38	Vol.8(4)
16	2019	Comparative productivity and profitability of safflower based intercropping systems under protective irrigation on vertisol.	Patil C. B., A. S. Karle and D. N. Gokhale.	Journal. of <i>Pharmacognosy and Phytochemistry</i> (NAAS 5.21)	8 (4) : 176-179.
17	2019	Competitive relationship between safflower and intercrops as affected by safflower based intercropping system and protective irrigation.	Patil C. B, A. S. Karle and M. P. Jagtap	Journal. of <i>Pharmacognosy and Phytochemistry</i> (NAAS 5.21)	8 (4) : 3183-3186.
18	2019	Impact of long term fertilizer application on soil fertility, nutrient uptake, growth and productivity of soybean under soybean-safflower cropping sequence in vertisols (July-2019)	Meshram N.A., Syed Ismail, Shirale S.T. and Patil V.D.	<i>Legume Research</i> (NAAS 6.59)	42 (2) : 182-189
19	2019	Adoption of Recommended Practices disseminated through agriculture polyclinics	S. G. Puri, S. D. Wangikar and P. S. Kapse	International Journal of Current Microbiology and Applied Science NAAS 5.38	Issue 8 (10): 1394-1399
20	2019	Study on extent of awareness and knowledge of climate change, its effects and coping strategies	Puri S. G., Bellurkar C. M. and More S. G.	Multilogic in Science, NAAS 5.20	9 (31): 236-240
21	2019	Situational analysis of farmers on knowledge and use of ICT in agriculture and allied sectors	Puri S. G. Bellurkar C. M. and More S. G.	International Journal of Current Microbiology and Applied Science NAAS 5.38	vol. 9 (01), 236-240
22	2019	Printing of silk fabric using Eco-friendly textile Auxiliaries, Ecology,	Sunita kale, Sangita Naik and Manisha Karhale	Ecology Environment and Conservation NAAS 5.02	25 (2) : 2019; 142-145,
23	2019	Protective clothing for women farm workers engaged in soya bean harvesting,	Sunita kale, Sangita Naik and Manisha Karhale	Multilogic in Science. Vol. IX issue NAAS 5.20	XXXI, October

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24	2019	False Black pepper (Embila Ribes) seed-Natural colourant for wool dyeing,	Sunita Kale, Sangita Naik And Manisha Karhale	Current Journal of Applied Science and Technology, NAAS 5.32	Vol. 38 (04-05):
25	2019	Studies on quality parameters of selected varieties of cowpea ,horsegram and mothbean	Bhokre C.K., Pawar V.S., Joshi A.A. and Sawate A.R.	Multilogicin Sci. NAAS 5.20	
26	2019	Preparation and quality evaluation of maharashtrian traditional pulse cereals spice mix,“Metkut”	Joshi A.A,Pawar V.S., Bhokre C.K., And Sawate A.R	Journal of Pharmacognosy and Phytochemistry NAAS 5.21	
27	2019	Preparation of midday meal Premix using multigrain	Shinde D.D.and V.S.Pawar	International Journal of Chemical studies NAAS 5.31	
28	2019	Studies on physical properties and nutritional profile of foxtail millet	Patangare Suwarna S, Pawar V.S.,and Shinde S T	Pharma Innovation NAAS 5.23	
29	2019	Studies on nutritional,chemical and mineral composition of horsegram	Patangare Suwarna S, Pawar V.S.,and Shinde S T	International Journal of chemical studies NAAS 5.31	
30	2019	Comparative study on effect of roasting treatment on nutritional properties of flaxseed	Shinde E.M., Pawar V.S.,Sontakke M.D., Kale P.R.and Salve R.V.	International Journal of chemical studies NAAS 5.31	
31	2019	Effect of different pre-treatment on nutritional quality of sorghum and mothbean	Kale P.R.,Syed H.M., Sontakke M.D.Shinde E.M. and Salve R.V.	International Journal of Chemical Studies NAAS 5.31	
32	2019	Technology development for preparation of complementary foods from cereals and legumes and its quality assessment	Kale P.R.,Syed H.M., Shinde E.M.,Ghatge P.U. and andSontakke M.D	Pharma Innovation NAAS 5.23	
33	2019	Development of processing Technology for formulation of energybar and its quality evaluation.	Shinde E.M., Kale P.R.,Pawar V.S.,and Ghatge P.U.	Pharma Innovation NAAS 5.23	

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34	2019	Effect of foliar application of different nutrients on maturity parameters, finger and bunch characteristics and yield of banana Cv. Grand Nain	G.B.Dombale, S.V.Dhutraj And S.J.sayed	International Journal of chemical studies NAAS 5.31	6(3):3651-3654
35	2019	Standardization of period for softwood grafting in tamarind	S.V.Dhutraj, R.V.Deshmukh and V.V.Bhagat	Journal of pharmacognosy and Phytochemistry NAAS 5.21	Vol.7(5)439-441
36	2019	Integrated disease management of yellow sigatoka leaf spot disease of banana	R.V.Deshmukh, S.V.Dhutraj and V.P.Damodhar	Int.J.Curr. microbial. Applicationsci NAAS 5.38	special issue-6 240-245
37	2019	Effect of foliar application of soluble fertilizer on finger development and yield of banana Cv. Grand Naine	A.M.Devkate, S.V.Dhutraj and A.S.khedikar	Journal of pharmacognosy and phytochemistry NAAS 5.21	7(5) 467-469
38	2019	Effect of soil application of different bio-fertilizer on quality and shelf life of banana	Khedikar AS, Dhutraj SV and Devkate A.M	International Journal of chemical studies NAAS 5.31	6(3):3651-3654
39	2019	Field evaluation of soil application of biofertilizer for intensity of sigatoka leaf spot and yield of banana	R.V.Deshmukh and S.V.Dhutraj	Journal of pharmacognosy and phytochemistry NAAS 5.21	7(5) 423-425
40	2019	Standardization of period for softwood grafting in custard apple (<i>Annonasqumosa</i>)	S.V.Dhutraj ,B.Kalalbhandi and V.P.damodhar	International journal of Curr.microbialapp.sci NAAS 5.38	special issue 6; 246-251
41	2019	Effect of foliar application of different nutrients on maturity parameters, finger and bunch characteristics and yield of banana Cv. Grand Naine	G.B.Dombale, S.V.Dhutraj And S.J.sayed	International Journal of chemical studies NAAS 5.31	6(3):3651-3654
42	2019	Effect of different phosphorus on growth and yield of banana Cv. Grand Naine	S.V.Dhutraj, R.V.Deshmukh, V.P.Damodhar and G.M.Waghmare	International journal of Curr.microbialapp.sci NAAS 5.38	special issue 6; 105-108
43	2019	Field evaluation of Bio control agent and phyto-extract against intensity of sigatoka leaf spot and yield of banana Cv. Ardhapu	.V.Deshmukh, S.V. Dhutraj and V.P.Damodhari	Int.J.Curr. microbial.Applicationsci NAAS 5.38	special issue-6 101-104

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44	2019	Effect of feeding mulberry variety G-4 on economic traits of bivoltine silkworm (<i>Bombyx mori</i> L.) hybrids	B.S.Bobade, Dr.C.B.Latpate, R.B.Dake	Journal of Entomology and Zoology Studies NAAS 5.53	7(6):289-291
45	2019	Comparative productivity and profitability of safflower (<i>Carthamus tinctorius</i> L.) based intercropping systems under protective irrigation on vertisol. Journal of Pharmacognosy and Phytochemistry	Patil C.B., A.S. Karle and D.N. Gokhale.	Journal of Pharmacognosy and Phytochemistry NAAS 5.21	8(4): 2019
46	2019	Competitive relationship between safflower and intercrops as affected by safflower (<i>Carthamus tinctorius</i> L.) based intercropping systems under protective irrigation. Journal of Pharmacognosy and Phytochemistry	Patil C.B., A.S. Karle and M.P. Jagtap	Journal of Pharmacognosy and Phytochemistry (NAAS rating: 5.21)	8(4): 2019
47	2019	Agronomic biofortification of Zn and Fe in chickpea through nutrient application. International Journal of Chemical Studies	Patil C.B., Pagar P.A., Gosavi S.V. and Shirame M.D.	International Journal of Chemical Studies NAAS 5.31	7(4): 2019
48	2019	Study of foliar nutrient management on economics of pigeonpea (<i>Cajanus cajan</i>). Journal of Pharmacognosy and Phytochemistry	Elumle Priyanka, Darade GA, Kutawal MM and Patil CB.	Journal of Pharmacognosy and Phytochemistry NAAS 5.21	8(4): 2019
49	2019	Effect of different land configuration and nutrient management on nutrient uptake and yield of soybean. International Journal of Chemical Studies	Bhadre C.S., Narkhede W.N., and Patil C.B.	International Journal of Chemical Studies NAAS 5.31	7(4): 2019
50	2019	Performance of safflower (<i>Carthamus tinctorius</i> L.) varieties under different row spacings. International Journal of Chemical Studies.	Puri S.R, I.A.B. Mirza and C.B.Patil	International Journal of Chemical Studies NAAS 5.31	7(5): 2019

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51	2019	Performance of Pearl Millet cultivars and standard sowing in rainfed area of Maharashtra	S.B. Kadam, N.R. Patange S.R. Jakkawad	<i>Multilogic in science</i> NAAS 5.20	9 (29) 2019
52	2019	Studies on genetic variability for quantitative traits in Cow pea	A.S. Kalambe, M.P. Wankhede, A.B. Bagade and A.V. Shinde	International Journal of chemical studies NAAS 5.31	7 (2), 2019
53	2019	Path analysis studies for quantitative traits in Cow pea	A.S. Kalambe, M.P. Wankhede, A.B. Bagade and A.V. Shinde	International Journal of chemical studies NAAS 5.31	7 (3), 2019
54	2019	Diverse Cytosteriles in Sunflower: A review	A.K. Choudhari, A.B. Bagade	International Journal of Current Microbiology and Applied Science NAAS 5.38	8(11),2019
55	2019	Path analysis studies of yield and yield components in Brinjal	T.S. Bende, A.B. Bagade and J.D. Deshmukh	Journal of Pharmacognosy and Phytochemistry NAAS 5.21	8 (3), 2019
56	2019	Correlation studies for yield and yield components in Brinjal	T.S. Bende, A.B. Bagade and M.P. Wankhede	Journal of Pharmacognosy and Phytochemistry NAAS 5.21	7 (2), 2019
57	2019	Variability studies for yield and yield components in Brinjal	T.S. Bende, A.B. Bagade and J.D. Deshmukh	Journal of Pharmacognosy and Phytochemistry NAAS 5.21	7 (2), 2019
58	2019	Path analysis studies in Dolichos bean	A.M. Noorjahan, J.D. Deshmukh and A.B. Bagade	Journal of Pharmacognosy and Phytochemistry NAAS 5.21	8 (2), 2019
59	2019	Effect of Different Solid Media on the Growth and Sporulation of <i>Colletotrichum gloeosporioides</i> Penz. and Sacc. causing Fruit Rot of Aonla	U.A. Asalkar , D .G. Hingole P B . Khaire and V.S. Mete	International Journal of Current Microbiology and Applied Science NAAS 5.38	8 (10) 2019
60	2019	To Evaluate <i>in vitro</i> Bio-efficiency of Different Plant-Extracts against <i>Colletotrichum gloeosporioides</i> Penz. and Sacc. causing Fruit Rot of Aonla	U.A. Asalkar , D .G. Hingole, V.S. Mete and S.S. Gote	International Journal of Current Microbiology and Applied Science NAAAS 5.38	8 (10) 2019
61	2019	To evaluate <i>in-vitro</i> Bio-efficiency of Different Fungicides against <i>Colletotrichum gloeosporioides</i> Penz. and Sacc. causing Fruit Rot of Aonla	U.A. Asalkar , D .G. Hingole, and V.S. Mete	International Journal of Current Microbiology and Applied Science NAAS 5.38	8 (10) 2019

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62	2019	Mechanized cultivation in safflower (<i>Carthamus tinctorius</i> L.)	Bhutada, P.O., Ghuge, S.B., Shinde, S.A. and Pawar, S.V.	<i>J. Oilseeds Res.</i> , NAAS 5.02	(Special Issue):156
63	2019	Effect of seed priming on germination and seed yield of safflower (<i>Carthamus tinctorius</i> L.)	Ghuge, S.B., Bhutada, P.O, Sutar D.S. and Pawar S.V.	<i>J. Oilseeds Res.</i> , NAAS 5.02	37 (Special Issue): 179
64	2019	On-farm validation of management technology for seed and soil borne safflower diseases	Pawar, S.V., Ghuge, S.B. and Bhutada, P.O.	<i>J. Oilseeds Res.</i> , NAAS 5.02	37 (Special Issue): 263
65	2019	Genetic parameters, correlation and path analysis for seed yield and morphological characters in Niger [<i>Guizotia abyssinica</i> (L.f.) Cass.]	Sutar, D.S., Ghuge, S.B., Pawar, S.V. and Bhutada, P.O.	<i>J. Oilseeds Res.</i> , NAAS 5.02	37 (Special Issue): 68
66	2019	A case study oneconomic impact of agrometeorological advisorieservices in aurangabaddistrict of marathwadaregion.	Nirwal.A.D.,K.K.DakhoreandP.B.Shinde	<i>Journal of Agrometeorology.</i> NAAS 6.56	21 (1) :PP-238-241.
67	2019	AssessmentofImpactofTemperatureandCO ₂ on Growth and yield ofRiceCropusingDSSATModel.	ChaudhariN.V.,NeerajKumar,P.K.Parmar,K.K.Dakhore,S.N.Chaudharian dS.K.Chandrawanshi	International Journal of Current Microbiology and Applied Sciences NAAS 5.38	8 (2):pp-776-78.
68	2019	Waterbalance study at Bharuchregion of South Gujarat.	Chaudhari S. N , NeerajKumar, N. V Chaudhari,PK Parmar, S. KChandrawanshi and K. KDakhore.	<i>JournalofPharmacognosy and Phytochemistry</i> NAAS 5.21	8(5):pp-1592-1596.
69	2019	Analysis of rainfall trend of Parbhani, Maharashtrausing Mann–Kendalltest.	SayyadR.S.,K.K.Dakhore And S.V. Phad	<i>Journal of Agrometeorology,</i> NAAS 6.56	21 (2): pp-236-238.
70	2019	Comparisonofdifferentmethodsforestimationofreferenceevapotranspirationat Parbhani, Maharashtra.	Phad S.V., K.K.Dakhore andR.S.Sayyad	<i>Journal of Agrometeorology,</i> NAAS 6.56	21(2): pp-239-240.
71	2019	Thermalindicesinrelationtocrop phenology and yield ofrice (<i>Oryza sativa</i> L.) growninthesouth Gujaratregion.	Chaudhari N. V, Kumar N,Parmar P. K, Dakhore K. K,Chaudhari S. N and Chandrawanshi S. K	<i>Journal of Pharmacology, Phytochemistry.</i> NAAS 5.21	8(2):pp-146-149.

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72	2019	Estimation of Reference Evapotranspiration (ET _o) and Crop Water Requirement of Major Kharif Cereals of Marathwada Region, Maharashtra.	S.V. Phad, K. K. Dakhore and R.S. Sayyad.	International Journal of Current Microbiology and Applied Sciences NAAS 5.38	8(2):pp-2441-2448
73	2019	Thermal Requirement of Green Gram (<i>Vigna radiata</i> L.) Varieties at Different Phenological Stages under Varied Weather Condition.	Bobade, B.R., B.V. Asewar, S.M. Nikam and Dakhore, K.K.	International Journal of Current Microbiology and Applied Sciences NAAS 5.38	8(12):925-930.
74	2019	Sunflower defoliator population influenced by long term climatic trends and extreme weather conditions	NE Jayewar, AK Jha and DD Patil	<i>Journal of Entomology and Zoology Studies</i> NAAS 5.34	7(1)
75	2019	Pest control potential of four predatory spiders from soybean fields	NN Phartale, BV Bhede DD Patil, TA Kadam and G Gyananath	<i>Journal of Entomological Research</i> NAAS 5.05	43(3)
76	2019	Performance of cotton genotypes for water stress tolerance	D.G., Dalvi., K.S. Baig and J.D. Deshmukh	<i>International Journal of Chemical Studies</i> , (NAAS -5.31)	7(2): 59-63.
77	2019	Influence of Various Treatments on Textural Profile Analysis of Indian Gooseberry (<i>Emblica officinalis</i>) Candy during Storage	B. Ghanwat Archana, V. S. Khandare and S. J. Syed	International Journal of Current microbiology and applied sciences. NAAS 5.38	8 (8)
78	2019	Genetic diversity studies in brinjal (<i>Solanum melongena</i> L.)	VR Gurve, DP Waskar, VS Khandare and SP Mehtre	International Journal of Chemical Studies NAAS 5.31	7(6): 730-733
79	2019	Effect of pre harvest application of plant growth regulators on quality of pomegranate (<i>Punica granatum</i> L.) CV. Bhagawa	RV Nainwad, VS Khandare and VP Damodhar	Journal of Pharmacognosy and Phytochemistry NAAS 5.21	8(5): 785-786
80	2019	Effect of pre harvest application of plant growth regulators on yield of pomegranate (<i>Punica granatum</i> L.) CV. Bhagawa	RV Nainwad, VS Khandare, VP Damodhar and SS Yadlod	International Journal of Chemical Studies NAAS 5.31	7(5): 911-912

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81	2019	Studies on Correlation and Path Analysis for Yield and its Contributing Traits in Brinjal (<i>Solanum melongena</i> L.)	V. R. Gurve, D. P. Waskar, V. S. Khandare, S. P. Mehtre and D. G. More	International Journal of Current microbiology and applied sciences. NAAS 5.38	9(10): 179-188
82	2019	Effect of spacing, bulb size and time of planting on onion seed yield (<i>Allium cepa</i> L.)	GN Thalkari, BM Kallalbandi, RD Baghele and MM Maind	International Journal of Chemical Studies NAAS 5.31	7(3)
83	2019	Response of pearl millet (<i>Pennisetum glaucum</i> L.) to levels and scheduling of nitrogen under Maharashtra condition	SB Kadam, SB Pawar and SR Jakkawad	Journal of Pharmacognosy and Phytochemistry NAAS 5.21	8 (3)
84	2019	Performance of Pearl millet (<i>Pennisetum glaucum</i> L.) Cultivars rainfed areas of Maharashtra under staggered sowing	S. B. Kadam, N. R. Patange and S. R. Jakkawad	Multilogic in Science NAAS :5.20	VOL. IX, ISSUE XXIX
85	2019	Study on genetic divergence in Desi Chickpea (<i>Cicer arietinum</i> L.)	P.J. Shedge, D.K. Patil and V.K. Gite	Int. J. Curr. Microbiol. App. Sci. 5.38	Vol. 8 (7): 1334-1338
86	2019	RNAi mediated gene silencing and its application for crop improvement	Jadhav, R. A., Mehtre S. P. and D. K. Patil	A Review. Journal of Pharmacognosy and Phytochemistry NAAS:5.21	SP2, 222-225.
87	2019	Investigation of Genetic Diversity in Fusarium Wilt of Egg Plant Caused by Fusarium oxysporum f.Sp. melangene (Schlecht) Mutuo and Ishigami in Marathwada Region of Maharashtra.	Govardhan Rao, V., S.R. Bhalerao, D.N. Dhutraj, S.R. Bhalerao ² , K.T. Apet, C.V. Ambadkar, B. Prasanna Kumar, A. T. Daunde, P.L. Sontakke and Patil, A.G.	Int.J.Curr.Microbiol.App.Sci. NAAS 5.21)	8(07): 1079-1093.
88	2019	Effect of different bio-intensive cropping systems on yields, economics and soil properties of Vertisol in Marathwada region Maharashtra	W.N. Narkhede, Khandare R.N and Gokhale D.N.	<i>International Journal Of Chemical Studies</i> NAAS 5.31	7(1) 1570-1575 NASS- 5.31
89	2019	Studies on efficacy of biorationals on sorghum stem borer, <i>Chilo partellus</i> and Ear head caterpillar <i>Helicoverpa armigera</i> Hubner.	Ambad RB, Ilyas Md, Gosavi DU and Ajabe SS	Journal of Entomology and Zoology Studies NAAS 5.53	Vol. 7 (5) : 593-596.

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90	2019	Genetic variability for quality traits in finger millets	L. N. Jawale and S. G. Bhawe	International Journal of Chemical Studies NAAS 5.31	7 (2) 1625-1628
91	2019	Correlation studies in wheat	S. R. Kaste and L. N. Jawale,	Multilogic in science NAAS 5.20	
92	2019	Genetic variability for quality traits in finger millets	L. N. Jawale and S. G. Bhawe	International Journal of chemical studies NAAS 5.31	7 (2) 1625-1628
93	2019	Studies on Genetic variability for yield and yield contributing traits in finger millets	B. R. Chavan and L. N. Jawale,	International Journal of current microbial APP Sc. NAAS 5.38	8 (9) 2276-2281
94	2019	Cotton vegetation condition monitoring using LSWI and NDVI.	Pritam O Bhutada,, Kulkarni GB and RS Shinde	Journal of Pharmacognosy and Phytochemistry NAAS 5.21	8(3): 1757-1762
95	2019	Effect of foliar application of agrochemicals on growth, yield and quality of soybean (<i>Glycine max</i> (L.) Merrill).	KD Bangar, RS Shinde and PO Bhutada	International Journal of Chemical Studies NAAS 5.31	7(4): 1517-1519
96	2019	Effect of foliar application of agrochemicals on growth, yield and economics of soybean (<i>Glycine max</i> (L.)Merrill).	KD Bangar, RS Shinde, VP Suryavanshi and PO Bhutada	Journal of Pharmacognosy and Phytochemistry NAAS 5.21	
97	2019	Effect of different fertilizer levels on yield of grain sorghum genotypes	Pritam O Bhutada, RL Aundhekar and SP Mehtre	International Journal of Chemical Studies NAAS 5.31	7 (3): 1872-1874.
98	2019	Effect of Time Nitrogen Fertilizer Application on Growth and Yield of Grain Sorghum.	U.N. Alse, P.O. Bhutada* and S.P. Mehtre	Int.J.Curr.Microbiol.App Sci NAAS 5.38	8(5): 987-992
99	2019	Effect of integrated weed management on growth and yield of <i>kharif</i> groundnut (<i>Arachis hypogaea</i>)	GD Kirde, AK Ghotmukale and P.O Bhutda	International Journal of Chemical Studies NAAS 5.31	7 (5): 4512-4514

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Agricultural Botany					
100	2019	Heterosis studies for yield, its component and grain mould resistance in sorghum genotype	H.V. Kalpande, Ranjana Tiwari and S.V. Kalyankar	J. of Pharmacognosy and Photochemistry 2019, NAAS 5.21	8(3) April 2907-2914
101	2019	Heterosis studies for yield and its component in sorghum genotype	Ranjana Tiwari, H.V. Kalpande & S.V. Kalyankar	J. of Pharmacognosy & Photochemistry 2019, NAAS 5.21	8(3) April 2915-2921
102	2019	Estimates of Variability Parameters and Correlation in Sorghum (Sorghum bicolor L. Moench)	R.R. Dhutmal, K.R. Bhakad, L.N.Jawale and A.W.More	Bull. Env. Pharmacol. Life Sci.,NAAS 5.01	Vol 8 [12] November 2019 : 66-70
103	2019	Studies on Transgressive Segregation in Double Cross F2Population of Kharif Sorghum (Sorghum bicolor (L.) Moench)	R.R. Dhutmal, A.W. More and M.N. Karanje	Bull. Env. Pharmacol. Life Sci., NAAS 5.01	Vol 8 [12] November 2019 : 71-74
104	2019	Variability and Correlation studies in F2 (Sorghum bicolor L. Moench)	A.W. More, R.R. Dhutmal and M.N. Karanje	Bull. Env. Pharmacol. Life Sci., NAAS 5.01	Vol 8 [12] Nov. 2019 : 27-32
105	2019	Character Association and Path Analysis for Drought Tolerant Post Rainy Sorghum	A.W. More, R.R.,Dhutmal., Jawale L.N. & J.E. Jahagirdar	Bull. Env. Pharmacol. Life Sci., NAAS 5.01	Vol 8 [12] November 2019 : 66-70
106	2019	Performance of cotton genotypes for water stress tolerance	D.G. Dalvi, K. S. Baig and J. D. Deshmukh	International Jr Chemical Studies,2019,NAAS 5.21	7 (2), PP- 59-63
107	2019	Influence of soybean on maturity and seed yield in soybean seed production	D. G. Dalvi	International journal chemical studies, 2019, NAAS 5.21	7 (3), PP- 275-277
108	2019	Effect of season on seed production feasibility in soybean	D. G. Dalvi	Jr of pharmacognosy& phycochemistry 2019 NAAS 5.21	8(3) PP- 130-131
109	2019	Physiological and biochemical parameters of BT cotton as influenced by different plant growth regulators	Borge Priyanka and Dattatraya Dalvi	International journal chemical studies, 2019, NAAS 5.21	7 (3), PP- 278-279

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110	2019	Effect of plant growth regulators on yield and yield contributing characters of BT cotton hybrids	Borge Priyanka and Dattatraya Dalvi	Jr of pharmacognosy & phycochemistry 2019 NAAS 5.21	8(3) PP- 132-134
111	2019	Genetic variability, heritability and genetic advance studies in dolichos bean (<i>Lablabpurpureus</i> L.)	AM Noorjahan, JD Deshmukh, MP Wankhade and HV Kalpande	International journal of chemical studies (2019) NAAS 5.31	7(3): 479-482
112	2019	Correlation studies in dolichos bean (<i>Lablab purpureus</i> L.)	AM Noorjahan, JD Deshmukh, MP Wankhade, HV Kalpande and Vijay Reddy	International journal of studies (2019) NAAS 5.31	7(2): 47-49
113	2019	Path analysis studies in dolichos bean (<i>Lablab purpureus</i> L.)	AM Noorjahan, JD Deshmukh, A B Bagade, HV Kalpande and Vijay Reddy	Journal of Pharmacognosy and phytochemistry 2019; NAAS 5.21	8(2): 41-42
114	2019	Correlation studies in cowpea (<i>Vigna unguiculata</i> L.)	AS Kalambe, MP Wankhae, JD Deshmukh, BR Chavan and AV Shinde	Journal of Pharmacognosy and phytochemistry 2019; NAAS 5.21	8(3): 321-323
115	2019	Genetic variability for quality traits in finger millet (<i>Eleusine coracane</i> (L.) Gaertn	LN Jawale, SG Bhave, J.D. Deshmukhand RR Dhutmal	International journal of Chemical studies (2019) NAAS 5321	7(2): 1625-1628
116	2019	Performance of cotton genotypes for water stress tolerance	DG Dalvi, KS Baig and JD Deshmukh	International journal of Chemical Studies 2019; NAAS 5.31	7 (2) 59-63
117	2019	Variability studies for yield and yield components in brinjal (<i>Solanum melongena</i> L.)	TS Bende, AB Bagade, J.D. Deshmukhand AV Shinde	International journal of Chemical Studies 2019; NAAS 5.31	7 (2) 56-58
118	2019	Path analysis studies of yield and yield components in brinjal (<i>Solanum melongena</i> L.)	TS Bende, AB Bagade, J.D. Deshmukhand AV Shinde	Journal of Pharmacognosy and phytochemistry 2019; NAAS 5.21	8(3): 318-320

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119	2019	Correlation studies in dolichos bean (<i>Lablab purpureus</i> L.)	A.M. Noorjahan, J.D. Deshmukh, M.P. Wankhade, H.V. Kalpande, and Vijay Reddy	International Journal of Chemical Studies (2019) NAAS 5.31	7(2): 47-49
120	2019	Correlation studies for yield and yield components in Brinjal (<i>Solanum melongena</i> L.)	T.S. Bende, A.B. Bagade, M.P. Wankhade and A.V. Shinde	International Journal of Chemical Studies (2019) NAAS 5.31	7(2): 50-52
121	2019	Studies on genetic variability for quantitative traits in Cowpea (<i>Vigna unguiculata</i> L.)	A.S. Kalambe, M.P. Wankhade, A.B. Bagade and A.V. Shinde	International Journal of Chemical Studies (2019) NAAS 5.31	7(2): 472-474
122	2019	Path analysis studies for quantitative traits in Cowpea (<i>Vigna unguiculata</i> L.)	A.S. Kalambe, M.P. Wankhade, A.B. Bagade and A.V. Shinde	International Journal of Chemical Studies (2019) NAAS 5.31	7(3): 475-478
123	2019	Correlation studies in Cowpea (<i>Vigna unguiculata</i> L.)	A.S. Kalambe, M.P. Wankhade, J.D. Deshmukh, B.R. Chavan and A.V. Shinde	Journal of Pharmacognosy and Phytochemistry (2019) NAAS 5.21	8(3): 321-323
124	2019	Genetic variability, heritability and genetic advance studies in Dolichos bean (<i>Lablab purpureus</i> L.)	A.M. Noorjahan, J.D. Deshmukh, M.P. Wankhade and H.V. Kalpande	International Journal of Chemical Studies (2019) NAAS 5.31	7(3): 479-482
125	2019	Molecular characterization of Pearl millet (<i>Pennisetum glaucum</i> L.) genotypes	A.R. Gaikwad	The Pharma Innovation Journal, 2020, NAAS 5.03	9(4): 375-379
Entomology					
126	2019	Evaluation of Entomopathogenic Fungi on Larval Abundance on defoliators of Soybean	GG Chaware, PS Neharkar, J D Ughade and BN Chaudhari	Journal of Entomology and Zoology Studies NAAS 5.53	7(3): 376-379

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127	2019	Seasonal incidence and biorational management of fruit and shoot borer, <i>Earias Vitella</i> on Okra	C U Panbude, PS Neharkar, Peddu Hemant and Ashish R Raut	Journal of Pharmognosy and Phytochemistry NAAS 5.21	8(5):1574- 1576
128	2019	Parasitizing Potential of Four <i>Thrichogramma</i> Species on egg of Pink Bollworm, <i>Pectinophora Gossypilla</i>	S Asha, V Chinna Babu Naik, P S Neharkar	Journal of Pharmognosy and Phytochemistry NAAS 5.21	8(5):857-859
129	2019	Effect of Host Age on Parasitizing Potential of Four <i>Thrichogramma</i> Species	S Asha, V Chinna Babu Naik, P S Neharkar	Journal of Pharmognosy and Phytochemistry NAAS 5.21	8(5):889-890
130	2019	Management of pomegranate aphids, <i>Aphis punicae</i> (Passerini) with newer insecticides during Hasta bahar	R.Y.Khandare, D.R.Kadam, and S.K.Patil.	International journal of chemical studies NAAS 5.31	7(5) 372-376
131	2019	Efficacy of Insecticides Against Mango Hopper and Their Predatory Coccinellids.	G.K. Kangne, D.R. Kadam, P.B. Jadhav and R.D. Jadhav.	Indian Journal of Entomology NAAS 5.89	81(2): 277-279
132	2019	Efficacy of Insecticides Against Pomegrante Thrips <i>Scirtothrips dorsalis</i> (Hood)	P.B. Jadhav, D.R. Kadam, R.D. Jadhav and G.K. Kangne.	Indian Journal of Entomology NAAS 5.89	81(2): 286-290
133	2019	Seasonal Incidence of Whitefly <i>Bemisia tabaci</i> in Brinjal.	R.D. Jadhav, D.R. Kadam, P.B. Jadhav and G.K. Kangne.	Indian Journal of Entomology NAAS 5.89	81(2): 291-292
134	2019	Effect of spraying schedules on grain damage, by <i>Melanagromyza obtusa</i> (Malloch) on different varieties of pigeon pea	Savde VG, Kadam DR, Ambad RB and Patil SK.	Journal of Entomology and Zoology Studies NAAS 5.53	Vol-7Issue 4:Page No.452-455
135	2019	Management of <i>Exelastis atomosa</i> (Walsingham) based on spray schedule at different growth stages of pigeon pea	Savde VG, Kadam DR, Ambad RB and Patil SK.	Journal of Entomology and Zoology Studies NAAS 5.53	Vol-7Issue 4:Page No.456-460

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136	2019	Efficacy of different newer insecticides against pigeonpea pod borers	S.M.Dadas, S.S.Gosalwad and S.K.Patil	Journal of Entomology and zoology Studies NAAS 5.48	8(1): 1474- 1479
137	2019	Seasonal abundance of pod borers on pigeon pea and their natural enemies in relation with weather parameters	S.M.Dadas, S.S.Gosalwad and S.K.Patil	Journal of Entomology and zoology Studies NAAS 5.48	8(1): 2606- 2611
138	2019	Bio-efficacy of newer insecticides against bollworm complex in cotton	A.D. Sarode,P.R. Zanwar and Y.B Matre	Journal of Entomology and Zoology Studies NAAS 5.34	Vol. 7 (6) 890-894, 2019
139	2019	Seasonal incidence of major insect pests and their correlation with weather parameters in cotton.	A.D. Sarode, P.R. Zanwar and Y.B Matre	Journal of Entomology and Zoology Studies NAAS 5.34	Vol. 8 (4) 1371- 1374
140	2019	Bio-efficacy of Insecticide against Predatory Spider in Soybean	Bokan S C, Zanwar P R Kadam D R and More D G.	Journal of Entomology and Zoology Studies NAAS 5.53	7(5):339-342
141	2019	Population dynamics of important insect pests in relation to weather parameters	M.M.Sonkamble and B.S.Rana	Indian Journal of Entomology NAAS 5.39	
142	2019	Seasonal incidence of major insect pests of brinjal and their correlation with weather parameters	Rohokale YA, Sonkamble MM and Waghmare YM	International Journal of Chemical Studies NAAS 5.31	
143	2019	Management of major insect pests of brinjal (<i>Solanum melongena</i>)	Rahul Salve, M.M.Sonkamble and S.K.Patil	Journal of Entomology and Zoology Studies NAAS 5.53	
144	2019	Management of aphids and diamondback moth on cauliflower.	Bhede, B. V. Bhosle, B. B. and Gosavi, D. U.	Journal of Entomological Research,NAAS 5.05	43(3) : 289-293
145	2019	Evaluation of different insecticides at different days after crossing ETL of moth trap catches on incidence of pink bollworm <i>Pectinophora gossypiella</i> on Bt cotton.	Gosavi, D. U. Bhede, B. V. and Ajabe, S. S.	Journal of Entomology and Zoology Studies, NAAS 5.53	7(5) : 737-741

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146	2019	Impact of repeated application of synthetic insecticides on thrips and their natural enemies of cotton.	Binu, V. and Bhede, B. V.	International Jr. of Current Microbiology & Applied Sciences, NAAS 5.38	8(8) : 277-289
147	2019	Pest control strategies of four predatory spiders from soybean fields.	Phartale, N. N. Bhede, B. V. Patait, D. D. Kadam, T. A. and Gyananath, G.	Journal of Entomological Research, NAAS 5.05	43(3) : 367-370
148	2019	Studies on seasonal incidence and correlation of chilli aphids.	Jayewar, N. E. Bhede, B. V. and Bhosle, B. B.	International Jr. Chemical Studies, NAAS 5.31	7(4) : 2589-2591.
149	2019	Assessment of Pigeonpea Restorers on Morphological Basis of Host Plant Resistance against Pod Borers	Sukanya Machanwar and Sanjeev Bantewad	Int.J.Curr.Microbiol.App.Sci NAAS 5.38	8(12): 1016-1025
150	2019	Assessment of eco-friendly approaches for pulse beetle <i>Callosobruchus chinensis</i> L. on mungbean	Nirma Pawara, Sanjeev Bantewad and Kanchan Shete	Journal of Entomology and Zoology Studies; NAAS 5.53	7(5): 1168-1173
Soil Science					
151	2019	Studies on effect of consortia of beneficial organisms on nutrient dynamics of spinach in pot culture experiment	Bonge C.O., Patil V.D. and Sayed Ismail	<i>International Journal of Chemical Studies</i> ; NAAS 5.31	7(6): 1743-1745
152	2019	Impact of Long-term fertilizer application on soil fertility, nutrient uptake, growth and productivity of soybean under soybean-safflower cropping sequence in Vertisol	Meshram N.A., Syed Ismail, Shirale S. T. and V.D. Patil	<i>Legume Research</i> NAAS 6.23	42(2) : 182-189
153	2019	Effect of siderophore producing micro-organisms on plant growth promotion in green gram	Bagmare R.R., Syed Ismail, Swami Y.P. and Ghode, M.K.	<i>International Journal of Chemical Studies</i> NAAS 5.31	7(4):620-624
154	2019	Siderophore production by plant growth promoting microorganisms	Bagmare R.R., Syed Ismail, Ingole, A.J. and Bagmare, P.A.	<i>Jr of Pharmacognosy and Phytochemistry</i> NAAS 5.21	8(4): 1450-1452

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155	2019	Siderophore production by microbial isolates and their effect on nodulation attributes in green gram	Bagmare R.R. and Syed Ismail	<i>International Journal of Chemical Studies</i> NAAS 5.31	7(5): 1287-1290
156	2019	Effect of zinc mobilizing cultures and zinc levels on chemical properties and nutrient availability in soybean grown Vertisols	Bhushan Pagar, Syed Ismail and Prashant Rathod	<i>Journal of Pharmacognosy and Phytochemistry</i> NAAS 5.21	8(5): 1290-1295
157	2019	Nutrient Dynamics in Blackgram (<i>Vigna mungo</i>) Grown Vertisols as Influenced by Co-inoculation of Different Bacterial Cultures with <i>Rhizobium phaseoli</i>	Nelwade, K.M., Syed Ismail & Jadhav, R.A.	<i>International Journal of Current Microbiology and Applied Sciences</i> NAAS 5.38	8(10): 554-561
158	2019	Effect of Co-inoculation of different Bacterial Cultures with <i>Rhizobium phaseoli</i> on Soil Biological Properties	Nelwade, K.M., Syed Ismail and Jadhav, R.A.	<i>International Journal of Current Microbiology and Applied Sciences</i> NAAS 5.38	8(10): 604-609
159	2019	Effect of levels of zinc and various zinc solubilizing microorganisms on growth and yield of spinach	Waghmare, Y.A., Dhamak A.L. and Syed Ismail	<i>International Journal of Chemical Studies</i> NAAS 5.31	7(6): 2613- 2621
160	2019	Soil nutrient status and its effect on reddening of cotton in Nanded district of Maharashtra	Ingole AJ, Vaidya PH, Bagmare RR, Patil NM, Lokhande PB, Jadhav LS, PadghanAD&Aundhakar A	<i>International Journal of Chemical Studies</i> ; NAAS 5.31	7(5): 1090-1094
161	2019	Economic assessment of tank silt in terms of fertilizer equivalent of Latur and Osmanabad district in Maharashtra	Patil NM, Vaidya PH, Ingole AJ, Lokhande PB, Jadhav LS, Padghan AD, Aundhakar AV, Patil PP & Kadam DV	<i>International Journal of Chemical Studies</i> ; NAAS 5.31	7(5): 1188-1192
162	2019	Physicochemical properties of tank silt of Latur and Osmanabad district	Patil NM, Vaidya PH, Ingole AJ, Padghan AD, Lokhande PB, Kadam DV, Jadhav LS, Aundhakar AV & Patil PP	<i>Journal of Pharmacognosy and Phytochemistry</i> ; NAAS 5.21	8(5): 519-522

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163	2019	Effect of foliar application of nutrients on nutrient content, uptake and yield of Bt Cotton.	Deshmukh A.V., Vaidya,P.H. and Sutar A.U.	Jr of Pharmacognosy & Phytochemistry. NAAS 5.21	8(5): 1155-1159
164	2019	Influence of foliar nutrition on leaf chlorophyll, anthocyanin pigment and leaf reddening index of Bt. cotton under rainfed condition.	Deshmukh A.V., Vaidya P.H., Deshpande P.S. and Jadhav M.B.	Journal of Pharmacognosy and Phytochemistry. NAAS 5.21	8(5): 1151-1154
165	2019	Influence of foliar nutrition on leaf reddening of <i>Bt.</i> cotton under rainfed condition.	Deshmukh A.V., Vaidya P.H. and Jadhav M.B. (2019)	International Journal of Chemical Studies; NAAS 5.31	7(5): 1876-1880.
166	2019	Effect of foliar application of vermi-wash, compost tea and panchagavya on yield and quality of soybean in inceptisol.	Sutar A.U., Vaidya P.H., Deshmukh A.V., Lilhare M.A. and Landge R.B. (2019)	Journal of Pharmacognosy and Phytochemistry . NAAS 5.21	8(5): 1228-1230
167	2019	Titirmare N.S., Takankhar V.G., Vaidya P.H., Nawkhare A.D. and Landge R.B. (2019) Characterization and classification 19of red soils from Hasegaonwadi of Latur district.	Titirmare N.S., Takankhar V.G., Vaidya P.H., Nawkhare A.D. and Landge R.B. (2019)	International Journal of Chemical Studies NAAS 5.31	7(5): 1104-1108.
168	2019	Vertical Distribution of Available Macro and Micronutrients in Cotton Growing Soils of Nanded District Maharashtra	Ghode M.K.,Vaidya P.H., Pawar Y.S., Adkine S.A.and Bagmare R.R.	<i>International Journal of Chemical Studies</i> NAAS 5.31	9(2): 3059-3064.
169	2019	Effect of different organic formulations on yield and quality of soybean	Amol Jagdale,Anil Dhamak and Bhushan Pagar	<i>Int.J.of Chemical studies:</i> NAAS 5.35	2963-2966
170	2019	Effect of graded levels of potassium and micronutrients on yield, quality and nutrient uptake in pigeon pea through soil and foliar application under Vertisols.	SU Chavan, MS Deshmukh and TR Kachave	<i>Jour. of Pharmacognosy and Phytochemistry</i> NAAS 5.21	

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171	2019	Evaluation of micro and micro nutrient status of pomegranate orchards from Maharashtra region by soil and leaf analysis.	MS Deshmukh, TR Kachave and PM Kanase	Jour. of Pharmacognosy and Phytochemistry NAAS 5.21	
172	2019	Correlation between chemical properties and nutrient in soil of Basmat tehsil	More,S,S. Waikar,S.L. Shinde,S.E.	J.Pharmacognosy and phyto-chemistry NAAS 5.52	8(4):1178-1180
173	2019	Changes in colour and temperature during vermicomposting of different organic wastage	S Praneti, SL Waikar, SP Kale, SV Ahire -	Journal of Pharmacognosy and Phytochemistry NAAS 5.52	
174	2019	Influence of Zn, Fe and B Applications on Nutrient Availability in Soil at Critical Growth Stages of Maize(<i>Zea Mays</i>) in Vertisol of Marathawada Region of Maharashtra. India	Daphade S.T. , Hanwate G.R and Gourkhede P H.	Inter J of current microbiology and Applied sciences NAAS 5.38	Vol.No. 8(1):206 - 212
175	2019	Response of Foliar Feeding of Gluconate and EDTA Chelated Plant Nutrients on Growth,Yield & Absorption of Nutrients By Leaves in <i>Bt</i> -Cotton Under Rainfed Condition	P H Gourkhede, V D Patil and D T Pathrikar.	Inter J of current microbiology and Applied sciences NAAS 5.38	Vol.No. 8(4):946-953
Agriculture Meteorology					
176	2019	Influence of Weather Parameters on Pest of Okra in Parbhani Kranti Variety	D.D.Burade,A.M.Khobragade and P.B. Shinde	Int.J.Curr.Microbiol.App .Sci (2019) NAAS 5.28	8(1): 806-812
177	2019	Correlation Studies between Weather Parameters and Sesamum (<i>Sesamum indicm</i> L.) Varieties Yield at Different Phenophases under Change in Climate	D.M. Sawant, U.N. Alse, B.V. Asewar and A.M. Khobragade	Int.J.Curr.Microbiol. App.Sci, NAAS 5.28	Vol. 8. (5) pp 997-1002
178	2019	A case study on economic impact of agro meteorological advisory services in Aurangabad district of Marathwada region	Nirwal. A. D., K. K. Dakhore and P. B. Shinde	J. of Agrometeorology NAAS 6.64	Vol. 21, Special Issue-1 : 238-241

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179	2019	Estimation of Reference Evapotranspiration (ET _o) and Crop Water Requirement of Major Kharif Cereals of Marathwada Region, Maharashtra	Phad S.V., K. K. Dakhore and R. S. Sayyad	Int.J.Curr.Microbiol. App.Sci NAAS 5.28	8(2): 2441-2448
180	2019	Analysis of rainfall trend of Parbhani, Maharashtra using Mann–Kendall test	Sayyad R.S., K. K. Dakhore and S.V. Phad	J. of Agrometeorology NAAS 6.64	21 (2) pp 236-238
181	2019	Comparison of different methods for estimation of reference evapotranspiration at Parbhani, Maharashtra	Phad S.V., K. K. Dakhore and R. S. Sayyad	Journal of Agrometeorology NAAS 6.64	21 (2) pp 239-240
182	2019	Thermal Requirement of Green Gram (Vigna radiate L.) Varieties at Different Phenological Stages under Varied Weather Condition.	B.R. Bobade, B.V. Asewar, S. M. Nikam and K.K. Dakhore	Int.J.Curr.Microbiol.App .Sci NAAS 5.28	8(12): 925-930
Agricultural Extension					
183	2019	Socio-Economic Impact of Mahatma Gandhi National Rural Employment Guarantee on its Beneficiaries in Marathwada Region, India	Dhulgand V.G. and Kadam R.P	International Journal Current Microbiology Applied Science, NAAS 5.38	8(12), pp: 1808-1820
184	2019	Estimating Profile of the Beneficiaries of Mahatma Gandhi National Rural Employment Guarantee Act	Dhulgand V.G. and Kadam R.P.	Int. Journal Current Microbiology Applied Science. NAAS 5.38	8(12), pp:1800-1807
185	2019	Relational Analysis Of Farmer's Profile With Their Perception About Climate Change	Bhong M.U. and Kadam R.P.	Multilogic in Science, NAAS 5.20	9 (29), pp: 93-96
186	2019	Farmers' Perception About Climate Change and Adaptation Strategies Adopted to Mitigate Climate Change in Marathwada Region	Kudale P.C. and Kadam R.P.	Journal of Multilogic in Science. NAAS 5.20	9 (29), pp: 122-124

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187	2019	Socio-economic Determinants of Knowledge and Adoption of Rabi Jowar among the Growers	Kapse P.S., Ahire, R.D. and Ekale J.V.	Multilogic in Science, NAAS 5.20	8 (XXVIII), pp: 238-240
188	2019	Socio-economic and Psychological Characteristics of Distress Farmers in Hingoli District	Pawar A.P., Kapse P.S., Bodke B.G. and Waghmare P. K.	Journal of Pharmacognosy and Phytochemistry, NAAS 5.21	8(2), pp: 80-84
189	2019	Farmers Suicides in Marathwada Region of India: A Causative Analysis	B. Venkateswarlu, Ahire R.D. and Kapse P.S	Int. J. of Current Microbiology and Applied Science, 8(4), pp: 296-308.	
190	2019	Socio Economic Profile of Tribal Farmers in Nanded District of Maharashtra State, India	V.K. Gogi Reddy, Ekale J.V., Kulkarni M.V.,and Nair R.G.	Int. J. of Current Microbiology and Applied Science, NAAS 5.38	8(11), pp:2515-2523
191	2019	Association between Income Generation and socio Economic Profile of the Tribal Farmers of Nanded District, India	V.K. Gogi Reddy, Ekale J.V., Kulkarni M.V., andNair R.G.	Int. J. of Current Microbiology and Applied Science, NAAS 5.38	8(11), pp:2508-2514
192	2019	Employability of Post Graduate Scholars Studying in VNMKV, Parbhani, India	Kh.Pusparani Devi, Ekale J.V. and Kulkarni M.V.,	International J. of Current Microbiology and Applied Science, NAAS 5.38	8(11), pp:2295-2301
193	2019	Constraints faced by the Members of Farmer Producer Company	Chopade, S.L., Kapse P.S. and Dhulgand V.G.	Int. J. of Current Microbiology and Applied Science, NAAS 5.38	8(8): ,pp: 2358-2361
194	2019	Estimating Profile of the Farmer Producer Company Members	Chopade, S.L., Kapse P.S. and V.G. Dhulgand	Int. J. of Current MicrobiologyandApplied Science, NAAS 5.38	8(8),pp:1988-1994

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195	2019	Adoption of Recommended Practices Disseminated through Agril. Polyclinics	Puri, S.G., Wangikar S.D. and Kapse, P.S.	Int. J. of Current Microbiology and Applied Science, NAAS 5.38	8 (10) ,pp:1394-1399
196	2019	Relationship between selected characteristics of suicide farmers with their identified risk factors of suicide in Nanded district	Bodke B.G., Deshmukh P.R. and Naganikar S.G.	Int. J. Chemical studies , NAAS 5.31	7(1) , pp:2505-2508
197	2019	Study Profile of beneficiaries and non- beneficiaries of KVK	Patil N.G., Ekale J.V. and Dhoke S.P.	Int. J. Chemical studies, NAAS 5.31	7(5), pp:3390-3392
198	2019	Constraints faced by beneficiaries and non beneficiaries of KVK and their Suggestions	Patil N.G., Ekale J.V. and Dhoke S.P.	Int. J. Chemical studies, NAAS 5.31	7(5), pp: 3387-3389
199	2019	Constraints and Suggestions of the Cotton Growers for effective implication of integrated pest management technology	Aglawe D.D., Ekale J.V. Chavhan P.N. & Bhute N.K.	Int. J. Chemical studies,	7(5),pp:269-272
200	2019	Study profile of beneficiaries and non- beneficiaries of KVK	Patil N.G., Ekale J.V. and Dhoke S.P.	Int. J. Chemical studies , NAAS 5.31	7(5), pp:3390-3392
201	2019	Constraints Faced by the Extension Personnel Working in state Agriculture Department of Marathwada Region	Kshatriya A.M. and Deshmukh P.R.	Int. J. Current Microbiology and Applied Sciences, NAAS 5.38	8(12), pp:900-902
202	2019	Boron availability in soils and its nutrition of crops under long term fertility experiment in India.	Ruma Das, W. N. Narkhede	<i>Geoderma</i> NAAS 12.11	351:116-129
203	2019	Response of mechanization levels and insitu rainwater conservation practices, their energy dynamics on production potential of soybean (Glycine max) under rainfed condition.	B.V. Asewar, M.S.Pendke S. H. Narale A.K. Gore, G. Ravindra Chary P Gopinath	Indian Journal of Agronomy NAAS 5.68	Vol. 65 (4) pp:451-455

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204	2019	Economics of sesamum in relation to sowing dates & fertilizer levels.	Muneshwar S.R., G.M. Kote and V.B. Awasarmal.	International Jr of Chemical Studies. NAAS 5.31	7(6) : 2315-2317.
205	2019	Response of sowing dates and fertilizer levels on Growth, Yield and Quality o Sesamum (<i>Sesamum indicum</i> L.).	Muneshwar S.R., G.M. Kote and V.B. Awasarmal.	International Journal of Current Microbiology and Applied Sciences. NAAS 5.38.	8(11) : 1704-1709
206	2019	Production potential & economics of safflower (<i>Carthamus tinctorius</i> L.) varieties under different row spacings on vertisol.	S.R Puri, IAB Mirza and CB Patil	International Journal of Chemical Studies 2019; NAAS 5.31	7(5): 291-293
207	2019	Studies on post- emergence herbicides in rabi onion (<i>Allium cepa</i> L.).	Mirza I.A.B, Jagtap MP, Shaikh Wasim Chand and Pawar AD	International Journal of chemical studies, 2019, NAAS 5.31	7(1):961-963
Horticulture					
208	2019	Effect of nutrient management on growth parameters of papaya (<i>Carica Papaya</i> L.)	R.H.Ingole, G.M.Waghmare and D.H.Bobade	<i>International Journal of Chemical Studies.</i>	7(3) 3782-3784
209	2019	Effect of nutrient management on storage study in papaya (<i>Carica Papaya</i> L.)	R.H.Ingole, G.M.Waghmare and D.H.Bobade	<i>International Journal of Chemical Studies.</i>	8(1) 743-745
210	2019	Different application methods of nutrients & plant growth regulators enhances the growth & yield of banana cv. Grand Naine	V.P.Damodhar, G.M.Waghmare R.V.Nainwad & S.S.Yadlod	<i>International Journal of Chemical Studies.7</i>	(5) 2544-2547
211	2019	Different application methods of nutrients & plant growth regulators enhances yield & yield parameters of banana cv. Grand Naine	V.P.Damodhar, G.M.Waghmare and R.V.Nainwad	<i>Journal of Pharmacognosy and phytochemistry.</i>	8(5) 1559-1562
212	2019	Production potential of onion crop (<i>Allium cepa</i> L.) cv. N-53 as influenced by integrated nutrient management.	Yedake, S.S., S.J. Shinde, P.K. Waghmare and D.N. Gokhale.	<i>International Journal of chemical Studies, . NAAS 5.31</i>	8(4): 3850-3854

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Agricultural Economics					
213	2019	Trend and competitiveness of pomegranate in domestic and international prices	Aware, M.R., D. S. Perke and Y. Praneetha	<i>Journal of Pharmacognosy and Phytochemistry, NAAS: 5.21 ISSN - 2349-8234</i>	8(6): 2081-2083
214	2019	Impact assessment of MGNREGA on women empowerment- A case study of Guntur District, Andhra Pradesh.	Praneetha, Y., D. S. Perke and M.R. Aware	International Journal of Chemical studies NAAS: 5.31 ISSN -2349-8528	7 (6): 2550-2553
215	2019	Growth and instability analysis of production and export of pomegranate from India	Aware, M. R., D. S. Perke and Y. Praneetha	International Journal of Chemical studies, NAAS: 5.31 ISSN -2349-8528	7 (6): 2554-2558
216	2019	Socio-Economic Characteristics and Profitability of Sugarcane Cultivation in Ahmednagar District of Maharashtra, India	Bodakhe G.M., S.S. More and R.D. Shelke	International Journal of Current Microbiology and Applied Science NAAS: 5.38	8 (7) : 552-564
217	2019	Market Integration of Major Maize Markets in Telangana State	Bandi S., K.V. Deshmukh and S.S.More	International Journal of Current Microbiology and Applied Science NAAS: 5.38	8 (12) : 1583-1591
218	2019	Growth and Instability in Banana Cultivation in India	Jadhav V.G. and S. S. More	Maharashtra Journal of Agricultural Economics NAAS: 2.97	23 (1) : 109-113
219	2019	Direction of Trade of India Cotton in International Market	Jadhav D.S. and S. S. More	Maharashtra Journal of Agricultural Economics NAAS: 2.97	23 (1) : 97-101
220	2019	A study on price spread and marketing efficiency of sweet orange in Marathawada region	Kausadikar H.H. S.R.nagargoje, R.V.Chavan and S Bandi	Journal of Pharmacognosy and Phytochemistry Impact Factor : 5.5	8 (9)

Research Support

Animal Scince Dairy Science					
221	2019	Preparation of kharudi from germinated Bajara using chakka whey as soaking agent	Chadar U.A, Londhe G.K and Kamble N.S.:	<i>The Pharma Innovation Journal NAAS 5.03</i>	8
222	2019	Assesment of Textural Propeties of Kalakand Sold in Parbhani District	S.N. Hakke , S.G. Narwade and S.V. Gaikwad	<i>Internationl j. Current Microbial App. Sci NAAS 5.38</i>	8
223	2019	Studies on organoleptic quality of kharudi prepared from germinated bajra using chakka whey as soaking agent	Chadar U.A, Londhe G.K, More R.V and Satpute D.B :	<i>International Journal of Chemical Studies NAAS 5.31</i>	7
224	2019	Effect of feeding improved varieties of fodder on growth performance and nutrient digestibility in osmanabadi goat	M.A.Bhoyarkar, G.K.Londhe, B.M.Thombre and M.F Siddique	<i>Indian journal of Animal research NAAS 6.43</i>	7
225	2019	Standardization and estimation of production cost of paneer incorporated with spinach powder	BB Chaudhari, Dr. NS Kamble, SN Waychal and SS Bansode	<i>The Pharma Innovation Journal NAAS 5.03</i>	11
226	2019	Breeding and health cover practices followed for livestock fodder camps during drought in Washi tehsil of Osmanabad district	Sonali S Jadhavar, R.A. Patil and SD Gadekar	<i>Journal of Entomology and Zoology Studies NAAS 5.53</i>	7
227	2019	Providence of Bacterial Pathogens in Kalakand Sold in Parbhani City	S.N. Hakke , S.G. Narwade and S. V. Gaikwad	<i>Internationl J. Mricobial App. Sci.NAAS 5.38</i>	8
228	2019	Effect of Drumstick (<i>Moringa Olifera</i>) Leaf meal as natural feed Additive on Serum Lipid Profile	P.B.Meshram, R.A.Patil, P.V. Padghan, A.K.Parade and S. S. Shinde	<i>Int.J. Curr. Microbiol. App. Sci. NAAS 5.38</i>	8
229	2019	Effect of Fenugreek (<i>Trigonella Foenum-gracum L.</i>) Seed Powder as Natural Feed Additive on Performance of Broilers.	B.S.Gaikwad, R.A.Patil, P.V. Padghan, and S. S. Shinde :	<i>Int.J. Curr. Microbiol. App. Sci. NAAS 5.31</i>	8

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230	2019	Feeding and housing practices followed for livestock fodder camps during drought in Washi tahsil of Osmanabad district	Sonali S Jadhavar, R.A. Patil and SD Gadekar	<i>International Journal of Chemical Studies</i> , NAAS 5.38	7
231	2019	Studies on Response of Broilers to Diet Containing Drumstick (<i>Moringa Olifera</i>) Leaf meal as natural feed Additive on Growth Performance	P.B.Meshram, R.A.Patil, P.V. Padghan, A.K.Parade ,S. S. Shinde and B.S. Gaikwad	<i>Int.J. Curr. Microbiol. App. Sci.</i> NAAS 5.38	8
232	2019	Effect of Fenugreek (<i>Trigonella Foenum-gracum L.</i>) Seed Powder as Natural Feed Additive on Performance and Blood Parametrs of Broilers Chicks.	B.S.Gaikwad, R.A.Patil, P.V. Padghan, and S. S. Shinde	<i>Int.J. Curr. Microbiol. App. Sci.</i> NAAS 5.38	8
233	2019	Use of Lemongrass (<i>Cymbopogon Citratus</i>) Leaf meal as natural feed Additive on Growth Performance and Economics of Broiers.	A.K.Parade, B.M.Thombre, R.A.Patil, P.V. Padghan, B.S. Gaikwad and P.B. Meshram.	<i>Int.J. Curr. Microbiol. App. Sci.</i> NAAS 5.38	8
234	2019	Inclusion of Lemongrass (<i>Cymbopogon Citratus</i>) Leaf meal as Natural Feed Additive for Evaluation Serum Lipid Profile of Broiers.	A.K.Parade, B.M.Thombre, R.A.Patil, P.V. Padghan, S.S.Shinde and P.B. Meshram.	<i>Int.J. Curr. Microbiol. App. Sci.</i> NAAS 5.38	8
235	2019	Effect of Drumstick (Morning olifera) Leaf Meal as a Natural Feed Additive on Serum Lipid Profile of Broilers	P.B.Meshram, R.A.Patil, P.V.Pandghan, A.K.Parade, B.S.Gaikwad and S.S.Shinde	<i>Int.J.urr.Microbiol.App.S ci</i> NAAS 5.38	8
236	2019	Breeding and helth cover practivess followed for livestock fodder camps during drought in Washi tehdil of Osmanaba district	Sonali S Jadhavar, R.A.Patil and S.D.Gadekar :	<i>Journal of Entomology and Zoology Studies</i> NAAS 5.23	7

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237	2019	Feeding and housing practice followed for livestock fodder camps during drought in Washi tahsil of Osmanabad district	Sonali S Jadhavar, R.A.Patil and S.D.Gadekar	<i>International Journal of Chemical Studies NAAS 5.31</i>	7
238	2019	Effect of ginger powder on physico-chemical properties of shrikhand by buffalo milk	Waghmare S.S., Andhare B.C. and Shaikh F.G.	International Journal of Chemical Studies. NAAS 5.31	7
239	2019	"Cost of production of Shrikhand blended with ginger powder".	Waghmare SS, Andhare BC and Supekar SJ	International Journal of Chemical Studies. NAAS 5.31	7
240	2019	Physico-chemical properties of low-calories and low sugar <i>kalam</i> .	Santosh P.Shinde, Balasaheb C.Andhare and Jayashree D.Shingare	The Pharma Innovation, NAAS 5.03	8
241	2019	Studies on sensorial and physico-chemical properties of optimized almond supplemented paneer kheer	Pankaj Kumar Gupta, Rajendra Kumar Pandey ,Balasaheb Andhare and Rathaur Aman	Journal of Pharmacognosy and Photochemistry NAAS 5.38	
242	2019	Constraints Faced by Farmers in Livestock Fodder Camps During Drought in Georai Tahasil of Beed District	Jadhav S.A., Bainwad D.V. and Jadhav S. N.	<i>International Journal of Chemical Studies NAAS 5.31</i>	9
243	2019	∴ Studies on Linear Body Measurements of Red Kandhari Calves in Their Breeding Tract of Maharashtra	Bainwad D.V., Thombre B. M., Siddiqui M.F. and Padghan P. V	<i>Indian Journal of Animal Research NAAS 6.43</i>	
244	2019	Studies on Productive Performance of Red Kandhari Cattle in Their Breeding Tract of Maharashtra	Bainwad D.V., Thombre B. M. and Londhe G.K.	<i>Indian Journal of Animal Research NAAS 6.43</i>	

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245	2019	Sensory Evaluation and Product Cost of Almond Milk Shake	D.D. Kuchekar , S.G. Narwade and S.V. Gaikwad	<i>Internationl j. Current Microbial App. Sci</i> NAAS 5.38	8
246	2019	Studies on Preparation of basundi blended with custard apple pulp.	Bawale S.M. , S.G. Narwade and N.S. Kamble	<i>The Pharma Innovation Journal</i> NAAS 5.03	8
247	2019	Development and Effect of Finger Millet on Nutritional Properties of Burfi Dept. of Animal Husbandry and Dairy Science, College of Agriculture, VNMKV Parbhani.	P.Kapare, S. G. Narwade and D.Satpute	<i>Multilogic In Science</i> NAAS 5.20	8
College of Agriculture, Ambajogai					
248	2019	Assessment of different interspecific progenies of mungbean against pulse beetle, <i>Callosobruchuschinensis</i> Linn. and It' s influence of seed physical characteristics on infestation	Pawara NR, Bantewad SD and Patil DK	<i>Journal of Entomology and Zoology Studies</i> NAAS 5.53	7(1): 1335-1344
249	2019	Field Screening of AVT lines for the management of stem fly and girdle beetle of soybean	KG Shete, BV Patil, CB Jaybhaye and SD Bantewad :	<i>International Journal of Chemical Studies</i> NAAS 5.31	7(1): 1590-1592
250	2019	Varietal screening for the management of major pests of soybean	KG Shete, BV Patil and SD Bantewad :	<i>Journal of Entomology and Zoology Studies</i> NAAS 5.53	7(1): 1497-1502
251	2019	Assessment of eco-friendly approaches for pulse beetle <i>Callosobruchuschinensis</i> L. on mungbean	NirmaPawara, Sanjeev Bantewad and Kanchan Shete:	<i>Journal of Entomology and Zoology Studies</i> ; 3 NAAS 5.53	7(5): 1168-117
252	2019	Assessment of Pigeonpea Restorers on Morphological Basis of Host Plant Resistance against Pod Borers	Sukanya Machanwar and Sanjeev Bantewad:	<i>Int.J.Curr.Microbiol.App. Sci</i> NAAS 5.38	8(12): 1016-1025

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253	2019	Study on <i>in vitro</i> efficacy of botanicals and chemicals against <i>major fungi</i> associated with post-harvest rot of tomato .	J. B. Bhalerao., R.A.Chavan., B.B.Dharbale., A.H.kendre and V.S Mete	J.Pharmacognosy and phytochemistry. NAAS 5.21	,8(5): 2045-2049
254	2019	Study on <i>in vitro</i> efficacy of botanicals and chemicals against <i>Alternaria solani</i> associated with post-harvest rot of tomato (<i>Lycopersiocon esculentum</i> Mill)	J.B.Bhalerao., R.A.Chavan., B.B.Dharbale., A.H.kendre and V.S Mete	J.Pharmacognosy and phytochemistry. NAAS 5.21	8(5): 2045-2049
255	2019	Study on <i>in vitro</i> efficacy of botanicals and chemicals against <i>Rhizopus stolonifer</i> associated with post-harvest rot of tomato (<i>Lycopersiocon esculentum</i> Mill)	J.B.Bhalerao., R.A.Chavan., B.B.Dharbale., B.B.kamble and P.B.Bhalerao	International J.Chemical Studies. NAAS 5.31	7(5): 3040-3044
256	2019	J Study on <i>in vitro</i> efficacy of chemicals against major fungi associated with post-harvest rot of tomato (<i>Lycopersiocon esculentum</i> Mill)	.B.Bhalerao., R.A.Chavan., B.B.Dharbale., CSswamiPB kardile and AH kendre	J.Pharmacognosy and phytochemistry NAAS 5.21	8(2): 1159-1163
257	2019	Efficacy of plant extracts and chemicals against <i>Aspergillus</i> fruit rot of sapota	DB, Kolhe., R.A.Chavan., PA Sahane., RG Brahmankar and VB, Udar (2021)	J.Pharmacognosy and phytochemistry NAAS 5.21	2021. 10(1) : 967- 970
258	2019	Efficacy of plant extracts and chemicals against <i>Rhizopus</i> fruit rot of sapota	DB, Kolhe., R.A.Chavan., RG Brahmankar., PA Sahane & RB ,Bade	J.Pharmacognosy and phytochemistry NAAS 5.21	10(1): 971-97
259	2019	Marketing cost, Marketing Margin and Price spread of brinjal in Latur district of Maharashtra state	Berkile M.S.,Dr S S More and Dr Y.M. Waghmare	J of Pharmacognosy and Phytochemistry NAAS 5.21	
260	2019	Correlation and Path Analysis for Quality & Yield Contributing Traits in Wheat (<i>Triticum aestivum</i> L.)	S.T. Rathod S.P. Pole and S.M. Gawande	Int.J.Curr.Microbiol.App. Sci NAAS 5.38	8(6): 456-461

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261	2019	Extent of participation of Rural Youth in the activities of the Adarsh Gaon Yojana.	V.S.Tekale, Swapnil A. Kale and V.V. Tayde	Journal of Pharmacognosy and Phytochemistry NAAS 5.21	Vol.8, Issue 4 : 2337-2339
262	2019	Communication Behaviour of Agriculture Assistant in Transfer of Agricultural Technology	V.S. Tekale, B.D. Tayde and V.V. Tayde	Pharmacognosy and Phytochemistry NAAS 5.21	Vol.8, Issue 4 : 2340-2342
263	2019	Effect Of Soaking and Boiling Soybean on Quality Parameters of Soy Flour	S.B.Jadhav, M.M. Nirval	The Pharma Innovation Journal NAAS 5.03	Vol.8(6):1298-1301
College of Agriculture, Osmanabad					
264	2019	Screening of different genotypes for identification of resistance source against pigeonpea wilt disease caused BY <i>Fusarium oxysporum</i> f. sp. <i>udum</i>	Ghante P. H.	<i>Multilogic in science</i> , NAAS : 5.20	VOL. VIII, issue XXVIII
265	2019	The efficacy of bioagents against <i>Fusarium oxysporum</i> f. sp. <i>udum</i> causing wilt disease of Pigeonpea	Ghante P. H.	<i>Jr. of pharmacognosy and Phytochemistry</i> NAAS : 5.52	8(1)
266	2019	<i>In vitro</i> efficacy of fungicides against <i>Fusarium oxysporum</i> f. sp. <i>udum</i> causing wilt disease of pigeonpea	Ghante P. H.	<i>Journal of Pharmacognosy and Phytochemistry</i> NAAS : 5.52	8(1)
267	2019	<i>In vitro</i> efficacy of phyto-extracts against <i>Fusarium oxysporum</i> f. sp. <i>udum</i> causing wilt disease of pigeonpea	Ghante P. H.	<i>Journal of Pharmacognosy and Phytochemistry</i> NAAS : 5.52	8(2)
College of Agriculture, Latur					
268	2019	Growth action of land utilization pattern in Parbhani district of Maharashtra	A.A.Awchar, K.V.Deshmukh, and R.D. Shelke	<i>International Journal Of Current Microbiology And Applied Sciences</i> . NAAS : 5.38	8(5):1839-1844

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269	2019	Cost, returns and profitability of Kharif Maize in Solapur district of Maharashtra, India	A.B.Jain, R.D. Shelke and D.U.Meshram	<i>International Journal Of Current Microbiology And Applied Sciences.</i> NAAS : 5.38	8(5):1845-1849
270	2019	Price spread of paddy in Chandrapur district of Maharashtra, India	R.D.Shelke, S.R.Dhurve and D.U. Meshram	<i>International Journal Of Current Microbiology And Applied Sciences.</i> NAAS : 5.38	8(5):1850-1856
271	2019	Growth pattern of land utilization pattern in Jalna district of Maharashtra, India	A.A.Kharat, K.V.Deshmukh and R.D. Shelke	<i>International Journal Of Current Microbiology And Applied Sciences.</i> NAAS : 5.38	8(5):1857-1862
272	2019	Cost, returns and profitability of ber production in Solapur district of Maharashtra, India	M.S.Bhong, S.R.Nagargoje and R.D. Shelke	<i>International Journal Of Current Microbiology and Applied Sciences.</i> NAAS : 5.38	8(5):2464-67
273	2019	Socio-economic characteristic and profitability of sugarcane cultivation in Ahmednagar district of Maharashtra, India	G.M.Bodakhe, S.S.More and R.D.Shelke	<i>International Journal Of Current Microbiology And Applied Sciences.</i> NAAS : 5.38	8(7):552-564
274	2019	Economic analysis of marketing of pigeonpea in Latur district of Maharashtra, India	T.S.Swami, J.L.Katkade and R.D.Shelke	<i>International Journal Of Current Microbiology and Applied Sciences.</i> NAAS : 5.38	8(9):62-67
275	2019	Screening of lactobacillus cultures for their use in enhancing the biofunctional activities of fermented milk products	Padghan PV, Bimlesh Mann, Shilpa Vij, Rajesh Kumar and Anilkumar	<i>International Journal of Chemical Studies</i> NAAS 5.31	7(2): 788-791
276	2019	Studies on standardization the process for dahi preparation by using the proper proportion of milk and wheatgrass extract	Shingare JD, Padghan PV and YN Patil	<i>International Journal of Chemical Studies</i> NAAS 5.31	7(1): 2442-2446

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277	2019	Studies on physico-chemical properties of <i>dahi</i> prepared with buffalo milk blended raw/ pasteurized wheat grass extract	Shingare JD, Padghan PV and BM Thombre	<i>Journal of Pharmacognosy and Phytochemistry</i> NAAS 5.21	8(1): 2691-2694
278	2019	Consequence of pineapple (<i>ananas cosmous</i>) pulp on physico-chemical and sensory properties of <i>shrikhand</i>	SB Patil, PV Padghan and Y.N. Patil	<i>International Journal of Chemical Studies</i> NAAS 5.31	7(5): 2462-2466
279	2019	Effect of spirulina supplementation on growth performance of broilers	Shinde SR, Patil RA and Padghan PV	<i>Journal of Pharmacognosy and Phytochemistry</i> NAAS 5.21	1: 3265-3267
280	2019	Seasonal incidence of major insect pests on soybean and their correlation with abiotic weather factors	Sonule GP, More DG, and Bokan S C	<i>International Journal of Ento. Research, Volume 4; Issue 1; January</i> NAAS 5.24	2: 84-87
281	2019	Categorization of red soils from Hasegaonwadi for its micronutrient status	Takankhar V.G., Titirmare N.S., Karanjikar P.N, Borkar M.S. and Bankar S.S.	<i>International Journal of Chemical Studies</i> NAAS 5.31	7(5): 1095-1098
282	2019	Categorization of red soils from Hasegaonwadi for its micronutrients status	Takankhar V. G., Titirmare N. S., Karanjikar P. N. and Borkar M. S.	<i>International Journal of Chemical Studies</i> , NAAS 5.31	7 (5): 1095-1098
	2019	Micronutrient status categorization of red soils from Hasegaonwadi of Latur District	Titirmare N. S., Takankhar V. G., Indulkar B. S. , Lilhare M. A. and Thosar B. D.	<i>International Journal of Chemical Studies</i> , NAAS 5.31	7 (5): 1099-1103
283	2019	Macronutrient status categorization of red soils from Hasegaonwadi of Latur District	Titirmare N. S., Takankhar V. G., Vaidya P. H., Navkhare A. D. and Landge R. B..	<i>International Journal of Chemical Studies</i> , NAAS 5.31	7 (5): 1104-1108

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284	2019	Genetic architecture for seed yield and it's contributing traits in Cowpea (<i>Vigna unguiculata</i> L. Walp)	P.B. Wadikar, M.R. Magar, S.J. Sonawane and S.L. Dhare	<i>Int. J. Curr. Microbiol. App. Sci.</i> , NAAS 5.38	8(09) : 1850-1857.
285	2019	Investigation on genetic analysis of Safflower (<i>Carthamus tinctorius</i> L.) genotypes using RAPD molecular markers.	S.L. Dhare, P.B. Wadikar, M.R. Magar and S. J. Sonawane	<i>Int. J. Curr. Microbiol. App. Sci.</i> , NAAS 5.38	8(09) : 1919-1927.
286	2019	Genetic variability study in segregating generations of Okra (<i>Abelmoschus esculentus</i> L.)	T.A. Chavan, P.B. Wadikar, B.R. Chavan and G.H. Naik	<i>Int. J. Curr. Microbiol. App. Sci.</i> , NAAS 5.38	8(09) : 2270-2275.
287	2019	Combining ability and gene action in Sesame (<i>Sesamum indicum</i> L.) elite genotypes by half diallel mating design.	S.J. Sonawane, P.B. Wadikar, M.R. Magar and S.L. Dhare	<i>Int. J. Curr. Microbiol. App. Sci.</i> , NAAS 5.38	8(09) : 2747-2754.
288	2019	Life-tables of <i>Aproaerema modicella</i> Deventer on soybean and soybean intercropped with pigeonpea	S.V. Phatak and V.K. Bhamare	<i>Indian Journal of Entomology</i> , NAAS 5.89	81 (2): 255-260
289	2019	Biometric studies of <i>Corcyra cephalonica</i> (Stainton) at different temperature levels	MB Sanjekar, PK Nalwandikar and VK Bhamare	<i>International Journal of Chemical Studies</i> NAAS 5.31	7(6): 337-342
290	2019	Biology of <i>Corcyra cephalonica</i> (Stainton) at different temperature levels	MB Sanjekar, PK Nalwandikar and VK Bhamare	<i>International Journal of Chemical Studies</i> NAAS 5.31	7(5): 3140-3144
291	2019	Effect of different bed disinfectants on economic traits of double hybrid mulberry silkworm (<i>Bombyx mori</i> L.)	PH Surapwar, PK Nalwandikar, VK Bhamare and YM Waghmare	<i>International Journal of Chemical Studies</i> NAAS 5.31	7(5): 1855-1858
292	2019	Effect of different bed disinfectants on life-cycle of double hybrid mulberry silkworm (<i>Bombyx mori</i> L.)	PH Surapwar, PK Nalwandikar, VK Bhamare and YM Waghmare	<i>International Journal of Chemical Studies</i> NAAS 5.31	7(5): 1859-1861

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293	2019	Bio-efficacy, persistence and residual toxicity of different insecticides against aphids (<i>Aphis gossipy</i> (Glover)) on sunflower	RB Dake, VK Bhamare and SH Mhaske	<i>International Journal of Chemical Studies</i> NAAS 5.31	7(3): 3859-3863
294	2019	Bio-efficacy, persistence and residual toxicity of different insecticides against jassids (<i>Amrasca biguttula biguttula</i> Ishida) on sunflower	RB Dake and VK Bhamare	<i>Journal of Entomology and Zoology Studies</i> NAAS 5.53	7(3): 1245-1250
295	2019	Bio-efficacy, persistence and residual toxicity of different insecticides against whitefly (<i>Bemisia tabaci</i> (Gennadius)) on sunflower	R B Dake and V K Bhamare	<i>Journal of Entomology and Zoology Studies</i> NAAS 5.53	7(3): 1499-1504
296	2019	Impact of abiotic factors on population dynamics of <i>Thysanoplusia orichalcea</i> (Fabricius) and <i>Mocis undata</i> (Fabricius) infesting sole sunflower and sunflower intercropped with pigeonpea	V K Bhamare, R D Dhembare, AS Ingale, KV Deshmukh and SH Shelke	<i>Journal of Entomology and Zoology Studies</i> NAAS 5.53	7(5): 706-710
297	2019	Population dynamics of <i>Chrysodeixis acuta</i> (Walker) and <i>Gesonia gemma</i> (Swinhoe) infesting sunflower intercropped with pigeonpea and its correlation with weather parameters	VK Bhamare, RD Dhembare, KV Deshmukh, AS Ingale and RU Desai	<i>Journal of Entomology and Zoology Studies</i> NAAS 5.53	7(5): 941-945
298	2019	Influence of ambient weather on the incidence of hairy caterpillars infesting sole sunflower and sunflower intercropped with pigeonpea	VK Bhamare, RD Dhembare, PK Nalwandikar, KV Deshmukh and AS Ingale	<i>Journal of Entomology and Zoology Studies</i> NAAS 5.53	7(5): 576-580

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299	2019	Effect of different levels of pruning on quality pomegranate (<i>Punica granatum</i> L.) cv. Super Bhagwa	I. D. Ghatul, V. S. Jagtap, V. D. Padekar, S. B. Ghorpade	<i>International Journal of Chemical Studies</i> NAAS 5.3	7(5) 2899-2902
300	2019	Effect of different levels of pruning on yield of pomegranate (<i>Punica granatum</i> L.) cv. Super Bhagwa	I. D. Ghatul, V. S. Jagtap, A. A. Solanke, S. J. Ban	<i>International Journal of Chemical Studies</i> NAAS 5.3	7(5), 2367-2369
301	2019	Genetic variability studies in pea (<i>Pisum sativum</i> L.)	S. J. Ban, V. S. Jagtap, S. B. Ghorpade, I. D. Ghatul	<i>International Journal of Chemical Studies</i> NAAS 5.3	7(5) 1975-1978
302	2019	Correlation and path analysis in pea (<i>Pisum sativum</i> L.)	S. J. Ban, V. S. Jagtap, S. B. Ghorpade, K. and D. Wakulkar	<i>International Journal of chemical Studies</i> NAAS 5.3	2586-2589
303	2019	Genetic variability studies for qualitative attributes in bottle gourd (<i>Lagenaria siceraria</i> L.)	S. B. Ghorpade, V. S. Jagtap, S. J. Ban and S. P. Chaudhari	<i>Journal of Pharmacognosy and Phytochemistry</i> NAAS 5.21	8(5) : 1911-1913
304	2019	Genetic variability studies in bottle gourd (<i>Lagenaria siceraria</i> L.)	S. B. Ghorpade, V. S. Jagtap, S. J. Ban, and S. R. Bidave	<i>International Journal of Chemical Studies</i> NAAS 5.3	7(5) : 1947-1950
305	2019	<i>In vitro</i> evaluation of different bioagents against <i>Fusarium oxysporium</i> f. sp. <i>lycopersici</i> causing wilt in tomato	S. B. Sanap, V. G. Mulekar, K.L. Jaiswal and R.A. Dhavale	<i>Journal of Pharmacognosy and Phytochemistry</i> NAAS 5.21	8(5): 1705-1706
306	2019	<i>In vitro</i> evaluation of antibiotics and antibacterial chemicals against <i>Ralstonia solanaceum</i> infecting bacterial wilt in chilli	P. N. Kadam, V. G. Mulekar, A. S. Rothe, Shinde P. A. and K. L. Jaiswal	<i>International Journal of Chemical Studies</i> NAAS 5.31	7(5): 1873-1875
307	2019	<i>In vitro</i> evaluation of non systemic fungicides against <i>Colletotrichum gloeosporoides</i> causing fruit rot in banana	R. A. Dhavale, V. G. Mulekar, K. L. Jaiswal, A. R. Bhosale and A. S. Rothe	<i>Journal of Pharmacognosy and Phytochemistry</i> NAAS 5.21	8(5): 1486-1488

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308	2019	Efficacy of systemic fungicides against <i>sclerotium rolfii</i> causing chickpea collar rot	A. S. Rothe, V. G. Mulekar, P. N. Kadam, K. L. Jaiswal and P. A. Shinde	<i>International Journal of Chemical Studies</i> NAAS 5.31	7(5): 1147-1149
309	2019	Isolation, characterization and identification of phosphate solubilising bacteria from maize rhizosphere soil	A. R. Bhosale, V. G. Mulekar, K. L. Jaiswal and A. S. Rothe	<i>International Journal of Current Microbiology and Applied Science</i> NAAS 5.38	8(10): 01-04
310	2019	<i>In vitro</i> bioefficacy of bioagents against <i>Alternaria alternata</i> causing fungal fruit rot in pomegranate.	K A Burgute, S. J . Magar, A C patil and M D Navale	<i>International Journal of Chemical Studies</i> NAAS 5.31	4:755-758.
311	2019	Efficacy of insecticides, oils and antibiotics on management of Brinjal little leaf disease.	P.A Shinde, Sunita J Magar, K L Jaiswal, P.N kadam and A.S Rothe.	<i>International Journal of Chemical Studies</i> NAAS 5.31	6:1051-1054
312	2019	<i>In vitro</i> evaluation of biosynthesized silver nanoparticles (Ag NPs) against <i>Fusarium oxysporium</i> f. Sp. <i>Capsici</i> causing wilt of chili.	Jaiswal K.L, Magar S.J, Shinde P.A, Rothe A.S and Kadam P.N	<i>International Journal of Chemical Studies.</i> NAAS 5.31	4:1180-1182.
313	2019	<i>In vitro</i> evaluation of systemic, Non-systemic and combi fungicides against <i>Colletotrichum gloeosporoides</i> causing fungal fruit rot in Pomegranate.	K.A. Burgute and S. J. Magar	<i>International Journal of Current Microbiology and Applied Science.</i> NAAS 5.38	3:25-27
314	2019	<i>In vitro</i> evaluation of systemic, non-systemic and combi fungicides against <i>Alternaria alternata</i> causing fungal fruit rot in Pomegranate.	K.A. Burgute, S. J. Magar, H.N Markad and S.S. Dhawan	<i>International Journal of Research and Analytic</i> 3:25-27Reviews. NAAS 5.75	5:37-39
315	2019	Effect of per cent perforations in LDPE packaging on quality of peeled garlic cloves during storage, 2019	Wadmare V.S., More P. G. and Jayebhaye R. V.	<i>Multilogic in Science, An Int. Journal</i> NAAS 5.20	VIII (XXVII): 250-252
316	2019	Farm Women's Knowledge in Sericulture Technology	PS Swami, VB Kamble, and MS Anarase	<i>Jrl of Pharmacognosy and Phytochemistry</i> NAAS 5.21	2:69-72

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317	2019	Socioeconomic, Psychological and Situational Profile of Farmers, Suicides in Aurangabad District, India	K.A. Kavar, J. M. Deshmukh and V.G. Dhulgand	<i>International Journal of Current Microbiology and Applied Sciences</i> NAAS 5.38	06:892-900
318	2019	Relational Analysis of Farmer's Profile with their Perception about Climate Change in Marathwada Region, India	S.D. Mundhe, D.D. Suradkar, J.M. Deshmukh and V.G. Dhulgand	<i>International Journal of Current Microbiology and Applied Sciences</i> NAAS 5.38	Volume 8 Number 06 : 2478-2453
319	2019	Relational Analysis of Farmer's Profile with their Perception about Climate Change in Marathwada Region, India	S. D. Mundhe, D. D. Suradkar, J. M. Deshmukh and V. G. Dhulgand	<i>International Journal of Current Microbiology and Applied Sciences</i> NAAS 5.38	06 : 2478-2453
320	2019	Utility Perception and its relationship with profile characteristics of users of Kisan mobile advisory services (KMAS)	M.B.Shinde, D. D. Suradkar and P.T.Shinde	<i>International Journal of Current Microbiology and Applied Sciences</i> NAAS 5.38	8 (07):25-27
321	2019	Constraints in using Kisan mobile advisory services as perceived by Farmers of Latur District of Maharashtra, India	M.B.Shinde, D. D. Suradkar and M.B.Gawali	<i>International Journal of Current Microbiology and Applied Sciences</i> NAAS 5.38	Volume 8
322	2019	Opinion and relationship of Farmers towards mobile based agro-advisory services	M.B.Gawali D. D. Suradkar and M.B.Shinde	<i>International Jr of Current Microbiology and Applied Sciences</i> NAAS 5.38	Volume 8
323	2019	Laboratory Performance of Developed Centrifugal Blower of Aero Blast Sprayer for High Density Plantation Mango Orchard	B.B.Badgire, S.M. Mathur, R.K. Rathod, and G.S. Tiwari	<i>International Journal of Current Microbiology and Applied Science</i> NAAS 5.38	Vol.9
324	2019	Determination of Spray and Air Volume for High Density Plantation Mango Orchard	B.B.Badgire, S.M. Mathur, R.K. Rathod, and G.S. Tiwari	<i>International Journal of Current Microbiology and Applied Science</i> NAAS 5.38	Vol.9

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325	2019	Effect of fertigation technology in high value vegetable crops – an overview	S.B. Jadhav, U.M. Khodke H.W. Awari and V. K. Ingle	<i>Journal of multilogic in science</i> NAAS 5.38	Vol. VIII
326	2019	Yield response of cabbage to different irrigation and fertigation levels	S.B. Jadhav, U.M. Khodke H.W. and G.D. Gadade	<i>Journal of multilogic in science</i> NAAS 5.38	Vol. VIII
College of Agriculture, Badnapur					
327	2019	Evaluation of different seed treatments for the management of soybean pests	K G Shete, B V Patil and N R Pawara	International Journal of chemical studies NAAS 5.31	7(1): 1585-1589
328	2019	Field screening of AVT line for the management of stem fly and girdle beetle of soybean	K G Shete, B V Patil, C B Jaybhaye and S D Bantewad	International Journal of chemical studies NAAS 5.31	7(1): 1585-1589
329	2019	Varietal screening for the management of major pests of soybean	K G Shete, B V Patil and S D Bantewad	Journal of Entomology and Zoology Studies NAAS 5.53	7(1): 1497-1502
330	2019	Ecofriendly management of <i>Chrysodeixis acuta</i> in soybean	M R Misal, B V Patil, S SGote, Gaande S G and P B Khaire	Journal of Entomology and Zoology Studies NAAS 5.53	7(4): 187-191
331	2019	Influence of Spacing and Drip Irrigation on Yield Attributes, Productivity and Economics of Pigeonpea (<i>Cajanus cajan</i> L.)	K.T. Jadhav, A.S. Chavan, S.K. Raskar and R.U. Lahase	<i>Int.J.Curr.Microbiol.App . Sci</i> NAAS 5.38	7(2): xx-xx 2319-7692
332	2019	Effect of ginger powder on physico-chemical properties of shrikhand by buffalo milk	Waghmare S.S., Andhare B.C. and Shaikh F.G.	International Journal of Chemical Studies. NAAS 5.31	7(4): 2633-2635
333	2019	"Cost of production of Shrikhand blended with ginger powder".	Waghmare SS, Andhare BC and Supekar SJ	International Journal of Chemical Studies. NAAS 5.31	7(4): 2844-2845
334	2019	Physico-chemical properties of low-calories and low sugar <i>kalam</i> .	Santosh P.Shinde, Balasaheb C.Andhare and Jayashree D.Shingare	The Pharma Innovation NAAS 5.03	8(9):496-499.

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335	2019	Studies on sensorial and physico chemical properties of optimized almond supplemented paneer kheer	Pankaj Kumar Gupta, Rajendra Kumar Pandey ,Balasaheb Andhare and Rathaur Aman	Journal of Pharmacognosy and Photochemistry NAAS 5.21	9(1):126-131
336	2019	Influence of graded levels of potassium on NPK concentration, yield and quality of red gram.	Yadav,S.U., Mane,S.S. and Supekar,S.J.	International Journal of Chemical Studies. NAAS 5.31	7(3): 5158-5160
337	2019	Effect of potassium application on growth, yield and quality of chickpea cultivars .	DT Bhadane, Mane,S.S. and V V Sonawane	International Journal of Chemical Studies. NAAS 5.31	7(6): 604-606
338	2019	Ecofriendly management of Chrsodeixisacuta in Soybean	M.R. Misal, B.V.Patil, S.S.Gote, Gawande.S.G. & Khaire.P.B.	Journal of Ento. and Zoology studies NAAS 5.53	EISSN:2320-7078 PISSN:2349-6800
339	2019	Response of irrigation scheduling on yield attributes, productivity and economics of pigeonpea (<i>Cajanus cajan</i> L.).	Ghuge G.V., K. T. Jadhav and A. S. Chavan	<i>Int. J. Curr. Microbiol .App. Sci.</i> NAAS 5.38	8 (10) 1644-1651
340	2019	Response of pigeonpea [<i>Cajanus cajan</i> (L) Mill sp.] + soybean intercropping system on growth and yield of attributes.	Kutwal M. M., K. T. Jadhav, S. K. Raskar, G. A. Darade and E. Priyanka .	Journal of pharmacology and phytochemistry NAAS 5.20	8(5) 1389-1393
College of Agriculture Golegaon					
341	2019	Influence of mechanization levels and energy dynamics on production potential of soybean under rainfed condition.	B.V. Asewar, M.S. Pendke, A.K. Gore, S.B. Narale,G.Ravindra chary and K.A. Gopinath.	Ind. J. Dryland Agric. Res. and Dev. NAAS-4.88	34(2):41-45
342	2019	Evaluation of Rainwater Conservation Practices for Reducing Runoff, Soil Loss and Enhancing Moisture Availability under Rainfed Soybean	M.S.Pendke, B.V.Asewar, S.H.Narale, G.Ravindra Chary, K.A. Gopinath	Indian Journal of Dryland Agricultural Research and Development NAAS 4.88	34(1):38-41

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343	2019	Productivity & soil moisture conservation studies of pigeon pea based intercropping systems as influenced by different land configuration	H.S.Garud, B.V.Asewar, A.S.Dhawan, I.A.B. Mirza	Legume Research NAAS --6.53	42 (3) :365-369
VDCOA Biotech, LATUR					
344	2019	<i>Remusatia vivipara</i> lectin & <i>Sclerotium rolfsii</i> lectin interfere with the development and gall formation activity of <i>Meloidogyne incognita</i> in transgenic tomato	Yogesh S.Bhagat, Ramesh S. Bhat, Rohini M. Kolekar, Ashlesha C. Patil, S. Lingaraju, R. V. Patil and S.S. Udikeri	Transgenic Research (NAAS Rating: 9.15)	28: 299-315
345	2019	Investigation of genetic diversity in Fusarium wilts of egg plant caused by <i>Fusarium oxysporum</i> f.sp. <i>melangene</i> (Schlecht) Mutuo and Ishigami in Marathwada region of Maharashtra, India..	V Govardhan Rao, DN Dhutraj, SR Bhalerao, KT Apet, CV Ambadkar, B Prasanna Kumar, AT Daunde, PL Sontakke & AG Patil	International Journal of Current Microbiology and Applied Sciences (NAAS Rating 5.38)	8(7):1079-1093.
346	2019	Characterization and variability of <i>Fusarium oxysporum</i> f. sp. <i>melongenae</i> (Schlecht) Mutuo and Ishigami from wilting eggplants in Marathwada region of Maharashtra.	V Govardhan Rao, DN Dhutraj, KT Apet, CV Ambadkar, B Prasanna Kumar, AT Daunde,SR Bhalerao, PL Sontakke & AG Patil.	Journal of Pharmacognosy and Phytochemistry (NAAS Rating 5.21)	8(5): 1436-1443
College Of Horticulture, Parbhani					
347	2019	Influence of different growing conditions on germination and growth attributes of leafy vegetables	A.P. Garde, B.M. Kalalbandi & D.A. Mhetre	<i>Int.J.of Chemical Studies</i> ; NAAS (5.31)	7(5): 625-627
348	2019	Economics of leafy vegetables cultivation as influenced of different growing conditions	A.P .Garde, B.M .Kalalbandi and D.A. Mhetre	<i>Int.J.of Chemical Studies</i> NAAS (5.31)	7(5): 628-630
349	2019	Influence of different growing conditions on yield and quality of leafy vegetables	A.P. Garde, B.M . Kalalbandi and S.B .Ingle	<i>Int.J.of Chemical Studies</i> NAAS (5.31)	7(2): 2065-2067

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350	2019	Influence of different growing conditions on meteorological parameters and germination of leafy vegetables	A.P. Garde, B.M. Kalalbandi and V.K. Bahiram	<i>Int.J.of Chemical Studies NAAS (5.31)</i>	7(1): 1119-1121
351	2019	Effect of foliar application of chemicals on yield of pome granate Cv. Bhagwa	Gaikwad PS, Tambe TB and Gaonkar YA	<i>Int.J.chem. studies. NAAS (5.31)</i>	7(1): 524-528
352	2019	Effect of micronutrients, chemicals and plant growth regulators on growth and yield of banana Cv. Grand Naine	Borate AS, Jyothi M and Tambe TB.	<i>Int.J.chem. studies. NAAS (5.31)</i>	7(4):3245-3248
353	2019	Effect of plant densities and cycocel on leaf, chlorophyll content, yield and quality attributes of okra (<i>Abelmoschus esculentus</i> L. Moench) Cv. Parbhani Kranti	Jyothi M and Tambe TB.	<i>Int. J. Chem. Studies. 5 NAAS (5.31)</i>	7(5):1742-174
354	2019	Studies on foliar sprays of micronutrients with chemicals on growth, maturity and yield of banana Cv. Ardhapuri	Jadhav KP, Tambe TB and Jyothi M.	<i>Int.J. Chem. Studies. NAAS (5.31)</i>	7(4):3249-3252
355	2019	Effect of plant densities and cycocel on growth, flowering and yield attributes of okra (<i>Abelmoschus esculentus</i> L. Moench) Cv. Parbhani Kranti	Jyothi M and Tambe TB.	<i>J of Pharmacognosy and Phytochemistry., NAAS (5.23)</i>	8(5):1104-1107
356	2019	Effect of plant densities and cycocel on fruit and yield attributes of okra (<i>Abelmoschus esculentus</i> L. Moench) Cv. Parbhani Kranti	Jyothi M and Tambe TB.	<i>Int. J. Curr. Microbial.. NAAS (5.31)</i>	8(10)
357	2019	Studies on foliar sprays of micronutrients with chemicals on yield and quality of banana Cv. Ardhapuri	Jadhav KP, Tambe TB and Jyothi M.	<i>Int. J. chem. studies. NAAS (5.31)</i>	7(5):3151-3154

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358	2019	Effect of nutrient management on growth parameters of papaya (<i>Carica Papaya</i> L.)	R.H.Ingole, G.M.Waghmare and D.H.Bobade	<i>International Journal of Chemical Studies.</i> NAAS (5.31)	7(3) 3782-3784
359	2019	Effect of nutrient management on storage study in papaya (<i>Carica Papaya</i> L.)	R.H.Ingole, G.M.Waghmare and D.H.Bobade	<i>International Journal of Chemical Studies.</i> NAAS (5.31)	8(1) 743-745
360	2019	Different application methods of nutrients and plant growth regulators enhances the growth and yield of banana cv. Grand Naine	V.P.Damodhar, G.M.Waghmare R.V.Nainwad and S.S.Yadlov	<i>International Journal of Chemical Studies.</i> NAAS (5.31)	7(5) 2544-2547
College Of Community Science, Parbhani					
361	2019	Type of Online Social Media and Networking Utilized by Urban Youth and Its Effects,	Patnam V and Dr. Bangale J	<i>J. in Science, Agriculture and Engineering</i> NAAS 5.20	Vol. IX (XXIX) pp. 261-263
362	2019	Ergonomical Assessment of Developed Sac for Performing Manual Fertilizer	Jayshree P. Zend, Manjusha S. Revenwar and Sadhana Admankar	Multilogic in science, NAAS: 5.2	IX (XXX) pp : 120-122
363	2019	Physiological cost of work of selected female tailors performing stitching activity	Sadhana Langote and Jayshree Rodge	Multilogic in science, NAAS: 5.2	Vol. IX (XXX) pp : 163-165
364	2019	Study of decision making behavior of selected woman entrepreneurs of Parbhani city.	Jayshree Rodge and Maya Jadhav	Multilogic in science, NAAS: 5.2	IX (XXX) pp : 176-178
365	2019	Ergonomical evaluation of one wall and L shape kitchen	Madhuri Kulkarni and Hemangini Sarambekar	Multilogic in science, NAAS: 5.2	IX, (XXX) pp : 219-222
366	2019	Buying practices followed by homemakers while purchasing selected household goods	Gadge K. M., M. S. Kulkarni and H. L. Sarambekar	Multilogic in science, NAAS: 5.2	IX (XXX) pp : 223-227
367	2019	Printing of silk fabric using Eco-friendly textile Auxiliaries, Ecology	Sunita kale, Sangita Naik and Manisha Karhale	Ecology Environment and Conservation, NAAS -5.02	Vol.25 No- 2

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368	2019	Protective clothing for women farm workers engaged in soya bean harvesting,	Sunita kale, Sangita Naik and Manisha Karhale	Multilogic in Science. Vol. IX issue NAAS-5.20	Vol.-IX, Issue-XXXI,
369	2019	False Black pepper (Embila Ribes) seed-Natural colourant for wool dyeing,	Sunita kale, Sangita Naik and Manisha Karhale	Current Journal of Applied Science and Technology, NAAS 5.32	Vol.-38, (04-05),
370	2019	Adoption of Recommended Practices Disseminated through Agricultural Polyclinics	S. G. Puri, S. D. Wangikar and P. S. Kapse	Int.J.Curr.Microbiol. App.Sci, NAAS :5.38	Vol. 8(10): 1394-1399
371	2019	Study on extent of awareness and knowlegde of farm women regarding climate change, its effects and coping strategies	Puri S.G., Bellurkar C.M. and More S.G.	Multilogic in Science NAAS :5.20	Vol. 9(31): 236-240
College Of Agriculture Engineering And Techonology, Parbhani					
372	2019	Assessment of texture and colour of tomatoes by subjective and objective methods during storage.	More Pramodini, Khodke Smita, Thakre Shubhangi	<i>Multilogic in Science</i> , NAAS 5.20	VIII,Special IssueB2277-7601,/
373	2019	Performance evaluation of different cutter blades for shelling fresh sweet corn,	Handibag Ashwini and More Pramodini	<i>Multilogic in Science</i> , NAAS 5.20	VIII,Special IssueB2277-7601, /
374	2019	Effect of slice thickness on overall acceptability of osmo-convectively dried carrot slices	P.G. More, S.U. Khodke	<i>International Journal of Chemical Studies</i> , NAAS 5.31	7(6)2349-8528,
375	2019	Mass transfer phenomena during osmotic dehydration of orange slices.	Shubhangi Thakre, Smita Khodke and Sukannya Housalmal	<i>Multilogic in Science</i> NAAS- 5.20	vol. Viii, issue xxviii,
376	2019	Entrepreneurship development through production of soynuts in (HTST) type puffing machine at cottage level.	Smita Khodke, Avinash Kakade, and Nitin Aras	<i>Multilogic in Science</i> NAAS- 5.20	vol. VIII, issue B

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377	2019	Effect of different osmotic agents on quality of osmo-convective dried orange slices with peel.	Madhuri Gajabe, Smita Khodke and Shubhangi Thakre.	Multilogic in Science NAAS- 5.20,	Vol. VIII, SPECIAL ISSUE 7601
378	2019	Development and performance evaluation of tractor drawn turmeric digger cum separator.	ShailajaDeshvena, R.T.Ramtekeand S.N.Solanki.	International Journal of Current Microbiology and Applied Sciences NAAS 5.38	Vol.8(02) /
379	2019	Performance evaluation of tractor drawn turmeric digger.	Deshvena Shailaja, R.T. Ramteke and S.N. Solanki	International Journal of Current Microbiology and Applied Sciences NAAS 5.38	Vol.8(4)
College of Food Techonology, Parbhani					
380	2019	Studies on quality parameters of selected varieties of cowpea , horse gramand moth bean	Bhokre C.K., PawarV.S., JoshiA.A.and Sawate A.R.	Multilogic in Sci.NAAS:5.20	9(29)
381	2019	Preparation and quality evaluation ofmaharashtrian traditional pulse cereals spice mix,“Metkut”	Joshi A.A, PawarV.S., Bhokre C.K.,and SawateA.R	Journal of Pharmacognosy and Phytochemistry NAAS:5.21	8(1)
382	2019	Studies on mineral composition,colour and textural qualities of cookies in corporated with quinoa seed flour.	Mohammad Nisar, V.S.Pawar, Syed Zubair, A.R.Sawateand Mane R.P.	International Journal of chemical studies NAAS:5.31	7(1)
383	2019	Preparation of mid day meal premix using multi grain	Shinde D.D.and V.S.Pawar	International Journal of chemical studies NAAS:5.31	7(1)
384	2019	Studies on development of process technology for formulation, sensory evaluation and storagestudies of fresh turmeric rhizome juice-based orange RTS beverage	Mane RP, V.S. Pawar, Kshirsagar R.B.and Mohammad Nisar	International Journal of chemical studies NAAS:5.31	7(1)

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385	2019	Studies on physical properties and nutritional profile of foxtail millet	Patangare Suwarna S, Pawar V.S.,and Shinde S T	The Pharma Innovation NAAS:5.23	8(3)
386	2019	Studies on nutritional, chemical and mineral composition of horse gram	Patangare Suwarna S, Pawar V.S., & Shinde S T	International Journal of chemical studies NAAS:5.31	7(2)
386	2019	Comparative study on effect of roasting treatment on nutritional properties of flax seed	Shinde E.M.,Pawar V.S., Sontakke M.D.,Kale P.R.& Salve R.V	International Journal of chemical studies NAAS:5.31	7(2)
387	2019	Development of processing technology for formulation of energy bar and its quality evaluation	Shinde E.M.,Kale P.R., Pawar,V.S.and Ghatge ,P.U	The Pharma Innovation NAAS:5.23	8(4)
388	2019	Effect of micronutrients on growth characteristics and seed yield of kasturi bhendi (<i>Abelmoschus moschatus L.</i>) India	G.S.Pawar,V.S.Pawarand P.J.Kshirsagar	India J.of Arecanut Spices and Medicinal Plants NAAS:5.20	21(3)
389	2019	Studies on preparation & proximate composition of aonla and <i>aloe veranectar</i> with stevia (<i>stevia rebaudiana</i>) as a sugar substitute	Deshmukh N.M, Sawate A.R, Kshirsagar R B.,Desai G.B.And Patil B.M.	Journal of Pharmacognosy and Phytochemistry NAAS:5.21	8(2)
390	2019	Physico- chemical and nutritional Properties of jamun (<i>Syzygium cumini</i>) seed	Desai G.B., Sawate A.R.and Deshmukh N.M.	Journal of Pharmacognosy and Phytochemistry NAAS:5.21	8(2)
391	2019	Effect of Jamun (<i>Syzygium cumini</i>) seedpowder extract on physico-chemical and organoleptic properties of beverage	Desai G.B., Kshirsagar R.B. and Sawate A.R.	The Pharma Innovation NAAS:5.23	8(3)
392	2019	Studies on development of process technology for formulation, sensory evaluation and storage studies of fresh turmeric rhizome juice-based Orange RTS beverage	Mane R P, V.S. Pawar, Kshirsagar R.B.and Mohammad Nisar	Int.J.of Chem.Studies NAAS:5.31	7(2)

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393	2019	Studies on physical, chemical and mineral evaluation of fresh carrot (<i>Daucus carota</i>)	Gaikwad G.P., Sawate A.R., Kshirsagar R.B., Agarkar B.S. and Patil B.M.	International Journal of Chemical Studies NAAS:5.31	7(2)
394	2019	Studies on development and organoleptic evaluation of sweetener-based carrot preserve	Gaikwad G P, Sawate AR, Kshirsagar R B, Veer S J and Mane R P	The Pharma Innovation Journal NAAS:5.23	8(3)
395	2019	Studies on effects of different chemical treatments on whole someness and post-harvest storage qualities of drumstick (<i>Moringa oleifera</i>) Pods	Mohammad Shareef, Kshirsagar RB, Sawate A R, Syed Zubair, Waghaye S Y and Veer Shailesh	International Journal of Chemical Studies NAAS:5.31	7(2)
396	2019	Studies on physical and chemical composition of beetroot (<i>Beta vulgaris L.</i>)	Sakhare K S, Sawate A R, Kshirsagar R B and Taur, A T	International Journal of Chemical Studies NAAS:5.31	7(2)
397	2019	Studies on technology development, organoleptic evaluation and proximate composition of beetroot candy by using different sweeteners	Sakhare K S, Sawate A R, Kshirsagar R B and Taur A T	Journal of Pharmacognosy and Phytochemistry NAAS:5.21	8(2)
398	2019	Studies on physical, rheological and sensorial properties of ashwagandha (<i>Withania somnifera</i>) root powder based Ice-Cream	Veer SJ, Sawate A R, Kshirsagar R B, Gaikwad GP and Mane R P	Journal of Pharmacognosy and Phytochemistry NAAS :5.21	7(2)
399	2019	Studies on quality assessment Powder	Shailesh Veer, Sawate A R, Kshirsagar R B, Agarkar B S and Patil, B.M.	International Journal of Chemical Studies NAAS :5.31	8(2)
400	2019	Studies on physical and chemical composition of lime (<i>Citrus aurantifolia L.</i>)	Waghaye SY, Kshirsagar RB, Sawate A R, and Mohammad Shareef	International Journal of Chemical Studies NAAS :5.31	7(2)
401	2019	Studies on development and organoleptic evaluation of lime and <i>Aloe vera</i> Spread	Waghaye SY, Kshirsagar RB and Sawate AR	Journal of Pharmacognosy and Phytochemistry NAAS:5.21	8(2)

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402	2019	Studies on development and organoleptic evaluation of blended guava pineapple jelly in incorporated with aloevera	Bogha T. T., Sawate A.R., Kshirsagar R.B., Agarkar B.S., Patil B.M.	Journal of Pharmacognosy and Phytochemistry NAAS:5.21	9(1)
403	2019	Development of processing technology for formulation of Energy barand its Quality Evaluation	Shinde E.M., Kale P.R., Pawar V.S. and Ghatge P.U.	The Pharma Innovation Journal NAAS:5.23	12(4)
404	2019	Effect of different pretreatment on nutritional quality of sorghum and moth bean	Syed H.M., Sontakke M.D. Shinde E.M. and Salve R.V.	International Journal of Chemical studies NAAS:5.31	11(9)
405	2019	Technology development for preparation of complementary foods from cereals and legumes and its Quality assessment	Kale P.R., Syed H.M., Shinde E.M., Ghatge P.U and Sontakke M.D	The Pharma Innovation NAAS:5.23	10(2)
406	2019	Studies on physical properties and nutritional profile of foxtail millet	Patangare S.S., Pawar V.S., Syed H.M. and Shinde S.T.	The Pharma Innovation Journal NAAS:5.23	11(4)
407	2019	Studies on nutritional, chemical and mineral composition of horse gram	Patangare S.S., Pawar V.S .and Shinde S.T.	The Pharma Innovation Journal NAAS:5.23	7(6)
408	2019	Studies on Process Development and Quality Evaluation of Sour Dough Bread.	H.W. Deshpande, S.D. Katke and Pathan M. Aziz Khan	International Journal of Current Microbiology and Applied Science NAAS:5.38	8(2)
409	2019	Exploration of Bael (<i>Aegle marmelos</i>) Fruit Extract as Prebiotic for Development of Probiotic Chocolate	K.R. Sawale, H.W. Deshpande and S.D. Katke	International Journal of Current Microbiology and Applied Science NAAS:5.38	8(4)
410	2019	Studies on Process Standardization and Quality Evaluation of Ginger Ale.	H.W. Deshpande, Mukesh Belwal, S.D. Katke	International Journal of Current Microbiology and Applied Science NAAS:5.38	8(7)
411	2019	Studies on effect of malting on physiochemical characteristics of wheat malt and barley malt used for	Hingade ST, Chavan VR, Machewad G M and Deshpande H W	Journal of Pharmacognosy and Phytochemistry NAAS:5.21	8(1)

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		preparation of probiotic beverage			
412	2019	Studies on quality evaluation of non-dairy probiotic beverage prepared from carrot and tomato juice	H.W.Deshpande, A. Shaikh Uzma, and S.D.Katke	International Journal of Current Microbiology and Applied Science NAAS:5.38	8(6)
413	2019	Studies on development and organoleptic evaluation of lime and <i>Aloe vera</i> Spread	Waghaye SY, Kshirsagar RB, Sawate AR and Mohammad Shareef	Journal of Pharmacognosy and Phytochemistry NAAS:5.21	8(2)
414	2019	Studies on physicochemical characteristics of drumstick (<i>Moringa oleifera</i>) pods	Mohammad Shareef R B Kshirsagar, AR Sawate, Syed Zubair, Waghaye SY, BM Patil and Mohammad Nisar,	Journal of Pharmacognosy and Phytochemistry NAAS:5.21	8(2)
ATIC PARBHANI					
415	2019	Yield response of cabbage to different irrigation and fertigation levels.	S.B. Jadhav, U.M. Khodke and G.D. Gadade.	<i>Multilogic in Sci.</i> NAAS (5.20)	Special issue VIII, (B) : 93-96
416	2019	Effect of various mulches and irrigation levels on root zone temperature, growth and fruit yield of water melon.	P.S. Pawar, A.S.Kadale and G.D. Gadade	<i>Int. J. Curr. Microbiol.App.Sci</i> NAAS (5.32)	8 (10): 2566-2576.
417	2019	Effect of different mulches on soil moisture conservation and yield of drip irrigated water melon.	P.S. Pawar, A.S.Kadale and G.D. Gadade	<i>Ind. J. Soil. Cons.</i> NAAS (5.20)	47 (2): 134-142
418	2019	Association Between Income generation and Socio-Economic Profile of the tribal farmers of Nanded District, India	V.K.Gogireaddy, J.V.Ekale, M.V.Kulkarni and R.G. Nair	<i>Int.J.of microbiology and Applied Science</i> NAAS 5.38	Vol. No.11

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EXTENSION AGRONOMIST, AMBAJOGAI					
419	2019	Response of linseed (<i>Linum usitatissimum</i> L.) varieties to different plant spacing and fertilizer levels	S. R. Gaikwad, V. P. Suryavanshi and A. M. Misal	<i>Journal of Oil seeds research</i> , (NAAS: 5.02)	Vol. 36, No. 2, pp 98-101
420	2019	Production constraints analysis of kharif French bean (<i>Phaseolus vulgaris</i> L.) in vertisols	Mayuri D Bansode, Suryavanshi VP and Chavan KA	<i>Journal of Pharmacognosy and Phytochemistry</i> (NAAS: 5.21)	8(4): 252-254
421	2019	Effect of foliar application of agrochemicals on growth, yield and economics of soybean (<i>Glycine max</i> (L.) Merrill)	K.D.Bangar, R.S.Shinde, V.P. Suryavanshi and PO Bhutada	<i>Journal of Pharmacognosy and Phytochemistry</i> (NAAS: 5.21)	SP2: 44-46
422	2019	Effect of integrated weed management on growth of kharif French bean (<i>Phaseolus vulgaris</i> L.)	Chavan KA, Suryavanshi VP and Patil AA	<u>Journal of Pharmacognosy and Phytochemistry</u> (NAAS: 5.21)	8(4): 113-116
KVK KHAMGAON					
423	2019	Productivity and soil moisture conservation studies of pigeonpea based intercropping systems as influenced by different land configurations	Garud H.S., Asewar B.V., Dhawan A. S., Gokhale D.N. Mirza I.A.B.	<i>Legume Research, - An International Journal</i> NAAS 6.23	Vol. 42 (3): 365-369

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Sr.No	Year	Title	Authors	Journal	Volume
Research Stations					
1	2020	Effect of organic weed management practices on weed control and yield of soybean-gram cropping system under irrigated condition	Chavan A. A. Narkhede W. N. and Karle A. S.	<i>Indian Journal of Weed Science, NAAS: 5.17</i>	52(3): 245–249.
2	2020	A system model describing the impact of organic resource use on farming households in low to middle income countries	Jo Smith, Dali Nayak, Ahim Datta and WN Narkhede	<i>Agricultural Systems NAAS: 7.79</i>	184 (2020):1-35
3	2020	Effect of land configuration, growth regulators and integrated nutrient management on yield and economics of Pigeonpea.	Sutar V. K. Narkhede W N. Nayak S. K. and Jadav K. T.	<i>Journal of Crop and Weed, NAAS: 5.28</i>	16(2): 227-232.
4	2020	Effect of different irrigation regimes and polythene mulches on yield and economics of drip irrigated tomato (<i>Lycopersicon esculentum</i> Mill.)	S.V. Pimple, A.S.Kadale and G.D. Gadade	<i>Int. J. Current. Microbiol. App. Sci (NAAS 5.38)</i>	9 (9):2368-2375
5	2020	Calibration of FAO-aqua crop model for <i>summer</i> chilli [<i>Capsicum annum</i> (L.)] in Marathwada region.	S.J. Supekar, A.S.Kadale and R.G. Bhagyawant	<i>Int. J. Chemical Studies (NAAS 5.31)</i>	8 (1):2574-2578.
6	2020	Influence of infield variability in irrigation and fertigation levels on growth and yield of <i>summer</i> chilli [<i>Capsicum annum</i> (L.)].	S.J. Supekar, A.S.Kadale and R.G. Bhagyawant	<i>Int. J. Chemical Studies (NAAS 5.31)</i>	8 (1):. 2583-2588
7	2020	Character association studies for Morpho-physiological parameters in soybean (<i>Glycine max</i> (L.) Meririll	VR Ghuge, SP Mehtre, JE Jahagirdar, VD Salunkhe and RR Dhutmal	The Pharma Innovation Journal NAAS 5.23	10 (6): 733-737

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8	2020	Correlation and path analysis studies for morpho-physiological parameters in soybean (<i>Glycine max</i> (L.) Meririll	VR Ghuge, SP Mehtre, RR Dhutmal, VD Salunkhe and NR Thakur:	The Pharma Innovation Journal NAAS 5.23	10 (6) : 772-776
9	2020	GGE biplot analysis of vegetable type soybean genotypes under multi-environmental conditions in India	V. Nataraj, N. Pandey, R. Ramteke, P. Verghese, R. Reddy, T.Onkarappa, S.P. Mehtre, S. Gupta, G. K. Satpute, Y. Mohan, M. Shivakumar, S. Chandra and V. Rajesh	Journal of Environmental Biology NAAS 6.78	Vol.42: 247-253
10	2020	Multivariate Analysis using D ² and Principal component analysis in mung bean [<i>Vigna radiata</i> (L) Wilczek] for study of Genetic Diversity	R.A. Jadhav, S.P Mehtre, D.K. Patil and V.K Gite	Legume research- An International Journal NAAS 6.53	LR-4508 [1-8]
11	2020	Studies on correlation and path analysis for yield and its contributing traits in brinjal (<i>Solanum melongena</i> L.)	V. R. Gurve, D. P. Waskar, V. S. Khandare, S.P.Mehtre and D.G More	Int. J. Curr. Microbial. App. Sci. NAAS 5.50	9 (10): 179-188
12	2020	Correlation and Coefficient analysis in chilli (<i>Capsicum annuum</i> L.)	D. L. Chavan, D. P. Waskar, V. S. Khandare and S. P. Mehtre	Int. J. Curr. Microbial. App. Sci. NAAS 5.50	10 (02): 1848-1851
13	2020	Identification and characterization of a novel long juvenile resource AGS 25	Sanjay Gupta, Giriraj Kumawat, Soniya Yadav, Rachana Tripathi, Nisha Agrawal, Shivakumar Maranna, Gyanesh K. Satpute, Gireesh Channappa, Mamta Arya, Sayed M. Husain,	Genet Resour Crop Evol NAAS 7.07	68:1149–1163

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			Virender,S. Bhatia, Nanita Devi, Philips Varghese, Shivaji P. Mehtre, Kamendra Singh, A. N. Shrivastav, Sanjay Pandey, Yogendra Mohan		
14	2020	Performance Evaluation of VNMKV Developed Power Weeder.	P. A. Munde, R. T. Ramteke and S. N. Solanki.	International Journal of Current Microbiology and Applied Sciences, NAAS 5.38	Vol.9(07)
15	2020	Development in solar powered agricultural sprayers : A Review	R.B. Pawar, R. T. Ramteke and S. N. Solanki.	International Journal of Current Microbiology and Applied Sciences NAAS 5.38	Vol.9(12)
16	2020	Effect of organic, inorganic and INM on Yield attributes, production of onion and soil properties under vertisol of Maharashtra.	Rathod N.B., R. N. Khandare and Karle A. S.	Inter Journal of Chemical studies. (NAAS 5.31)	8 (1) : 937-940.
17	2020	Effect of organic weed management practices on weed control and yield of soybean-gram cropping system under irrigated condition.	Chavan, A.A. Narkhede W.N. and Karle A.S.	Indian J. Weed Science (NAAS 5.17)	52 (3): 245-249.
18	2020	Krishi Mahiti Wahini of VNMKV, Parbhani: Boon for farmers	Puri S. G., P. R. Deshmukh and U. N. Alse	International Journal of Current Microbiology and Applied Science NAAS 5.38	vol. 9 (4): 2326-2335
19	2020	Utility of agro tech VNMKV, Mobile app as perceived by the user farmers	H. Y. Pawar, P. S. Kapse and S. G. Puri	International Journal of Current Microbiology and Applied Science NAAS 5.38	Vol 9 (4): 1280-1286

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20	2020	Constraints faced by the staff of krishi vigyan kendras during their job in Marashtra	V. B. Dhakne, P. R. Deshmukh and S. G. Puri	International Journal of Current Microbiology and Applied Science NAAS 5.38	Vol. 9 (11): 2499-2505
21	2020	Screening of Phytochemical components of leaf extracts,	Sunita kale	International Journal of Current Microbiology and Applied Science, NAAS 5.38	ISSN: 2319-7706, Volume 9 Number 9 2394-2404
22	2020	Wet Processing of textiles using environment friendly agents	Sunita kale	Multilogic in Science, NAAS 5.20	vol. X, issue XXXV, October 2020 ISSN 2277-7601,
22	2020	Development and evaluation of weaning food with incorporation of horse gram malt.	S.K.Sadawarte, V.S.Pawar, P.P.Thorat and A.R.Sawate	Int. J. Curr. Microbiol.Ap. Sci NAAS 5.38	9 (7)
23	2020	Development of processing technology for formulation of chocolate coated moth bean bar and its sensory evaluation	Deshmukh Bhakti A and Pawar Vijaya S	Pharma Innovation Journal NAAS 5.23	9 (3)
24	2020	Effect of different tretreatments on physicochemical and antinutritional quality of mothbean	Deshmukh B A and Pawar VS	Journal of Pharmacognosy and phytochemistr NAAS 5.21	9 (1)
25	2020	Studies on Technology development of nutra gum laddu	Mancharkar H.A, Ghatge P.U., Shinde E.M.,Sawate. A.R. and SyedH.M	Journal of Pharmacognosy and Photochemistry NAAS 5.21	9 (4)
26	2020	Studies on physical, chemical and mineral evaluation of oats (avena Sativa)	Syed S.J., Gadhe K.S., Katke S.D.	Journal of Pharmacognosy and Phytochemistry NAAS 5.21	9 (5)

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27	2020	Studies on Physico-chemical and functional properties of flax seed flour	Shaikh R.P, Gadhe K.S.	Journal of Pharmacognosy and Phytochemistry NAAS 5.21	11(1)
28	2020	Effect of germination treatment On chemical and nutritional properties of horsegram	Kachave K.D., Pawar V.S. and Shinde E.M.	Pharma Innovation NAAS 5.23	9(12)
29	2020	Studies on development and quality evaluation of cupcake fortified with flaxseed and chiaseed flour	Shaikh R.P, Gadhe K.S.	The Pharma Innovation Journal NAAS 5.23	11(7)
30	2020	Development and Quality and Quality Evaluation of flaxseed fortified nutra laddu with incorporated flaxseed.	Ghatge P.U., Shinde E.M. and A.R. Sawate.	Pharma innovation journal NAAS 5.23	9 (8)
31	2020	Effect soil application of biofertilizer on yield and quality of banana	S.V.Dhutraj and R.V.Deshmukh	International journal of Horticulture and food science NAAS 5.21	1(1)28-29
32	2020	Studies on standardization of period for softwood grafting in dryland fruit crops	S.V.Dhutraj and V.V.Bhagat	International journal of Horticulture and food science NAAS 5.21	1(1) 55-56
33	2020	Studies of the Biology and Economic Traits of Mulberry (<i>Bombyx mori L.</i>) Single CSR Hybrids on V-1 Mulberry Variety	S. K. Maske, C. B. Latpate and Y. B. Matre	Int.J.Curr.Microbiol.App. Sci NAAS 5.38	Special Issue-11: 2476-2482
34	2020	Studies of the Biology and Economic Traits of Mulberry (<i>Bombyx mori L.</i>) Double CSR Hybrids on Different Mulberry Variety	S. K. Maske, C. B. Latpate and Y. B. Matre	Int.J.Curr.Microbiol.App. Sci NAAS 5.38	Special Issue-11: 2483-2489

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35	2020	Performance of Soybean-safflower cropping system under BBFland configuration under different spacing and INM over traditional method. International Journal of Current Microbiology and Applied Science	Pritam O. Bhutada, S.B.Ghughe and C.B.Patil.	International Journal of Current Microbiology and Applied Science NAAS 5.38	9(8): 2020
36	2020	Performance and economic impact of Pigeon pea-(BDN-711) under drought condition in NICRA Village of Marathwada region of Maharashtra	K.K. Zade, S.B. Pawar and Irfan Shaikh	Journal of Pharmacognosy and Phytochemistry NAAS 5.21	9 (5), 2020
37	2020	Performance and economic impact of Pigeon Pea BDN-711 under draught condition in NICRA village of Marathwada region of Maharashtra	K.K. Zade, S.B. Pawar and Irfan Shaikh	Journal of Pharmacognosy and Phytochemistry NAAS 5.21	9 (5), 2020
38	2020	Identification of heterotic hybrids for yield and yield traits in brinjal	P.V. Makasare A.B. Bagade S.V. Kalyankar	<i>Int.J. Chemical Studies</i> NAAS 5.21	8 (6): 2020
39	2020	Studies of combining ability for yield contributing traits in brinjal	P.V. Makasare A.B. Bagade M.P. Wankhede	<i>Int.J. Chemical Studies</i> NAAS 5.31	8 (6): 2020
40	2020	Field screening of pigeon pea for their resistance against <i>Melanagromyza obtusa</i>	C. Badabagni N.R. Patange	Indian Journal of Agricultural Sciences NAAS 6.25	90 (7): 2020
41	2020	Influence of mechanization on soybean-safflower cropping system in terms of growth, yield and economics	Bhutada, P. O., Ghughe, S.B., Kote G.M.	<i>J. Curr. Microbiol. App. Sci.</i> , NAAS 5.38	9 (08): 1303-1306

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42	2020	Performance of soybean- safflower cropping system under bbf land configuration in different spacing and INM over traditional method	Bhutada, P.O., Ghuge, S. B. and Patil, C.B.	<i>Int. J. Curr. Microbiol. App. Sci.</i> , NAAS 5.38	9 (08): 2663-2669
43	2020	Genetic variability, heritability and genetic advance studies in safflower (<i>Carthamus tinctorius</i> L.).	Rathod, P.S., and Ghuge, S. B.,	<i>The Pharma Innovation Journal</i> NAAS 5.23	10 (6): 765-767
44	2020	Character association analysis in safflower (<i>Carthamus tinctorius</i> L.).	Rathod, P.S., Ghuge, S.B. and Wankhade, M. P.	<i>The Pharma Innovation Journal</i> , NAAS 5.23	10 (6): 768-771
45	2020	Path coefficient analysis studies in safflower accessions (<i>Carthamus tinctorius</i> L.)	Rathod, P.S., Ghuge, S.B. and Wankhade, M.P.	<i>Biological Forum – An International Journal</i> NAAS 5.11	13(3b): 251-254
46	2020	Study the Rainfall Variability and Impact of ElNino Episode On Rainfall and Crop Productivity At Parbhani”	Dakhore K.K, Y.E.Kadam and P. Vijayakumar	<i>MASUM.</i> NAAS 6.24	71(2) pp-285-290.
47	2020	Estimation of reference evapotranspiration (ET _o) at Parbhani, Maharashtra.	Phad S.V.,K.K.Dakhore and R. S. Sayyad	<i>MAUSAM</i> , NAAS 6.24	71 (1), 145-148.
48	2020	Impact of El Nino–Southern Oscillation on Rainfall and Major Kharif Crops Production of Vidarbha Region.	Kadam Y.E.;K.K. Dakhore;A. S. Jadhav;D. P.Waskar;P. VijayaKumara nd Nitesh Awasthi	<i>Journal of Agrometeorology</i> , NAAS 6.64	22 Special issue:pp-251-256
49	2020	Analysis of Drought in the Maharashtra by Using the Standardized Precipitation Index.	K.K. Dakhore, A.Karunakar, J.D.Jadhav,Y. E. Kadam, D.P. Waskar and P.VijayaKumar.	<i>Journal of Agrometeorology</i> , NAAS 6.64	22 Special issue: pp-43-50
50	2020	Estimation of Reference Evapotranspiration (ET _o) and CropWater Requirement of Soybean and Cotton For Marathwada Region.	Phad S.V., K.K.Dakhore, R. S. Sayyad and NiteshAwasthi.	<i>Journal of Agrometeorology</i> , NAAS 6.64	22 Special issue: pp-197-203.

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51	2020	Impact of Weather Parameters on Yield of Groundnut (<i>Arachis hypogaea</i> L.) Under Varied Environmental Condition in Parbhani District of Maharashtra.	Savitri birajdar. K. K. Dakhore and A. S. Rathod	<i>International Journal of Chemical Studies</i> NAAS 5.31	(2020). 8(5):426-430.
52	2020	Algorithms for Weather Based Management Decisions in Major Rainfed Crops of India: Validation Using Data from Multi-location Field Experiments	Vijaya Kumar, P., Bal, S K., Dhakar, R., Chandran MAS., Subba Rao, AVM, Sandeep, V M., Pramod, V P., Mallswari, S.N., Sudhakar, G., Solanki, N S., Shivramu H S., Lunagaria, M. M., Dakhore K K., Londhe V.M., Singh M., Kumari P., Subbulakshmi, S., Manjunatha M. H. and Chaudhari N J.	<i>Agronomy Journal</i> NAAS 8.26	(2020 doi: 10.1002 /its2.20518.
53	2020	PA 740 : High yielding, long staple Desi cotton (<i>Gossypium arboreum</i>) variety for Marathwada region of Maharashtra	V.N. Chinchane, K.S. Baig, A.H. Rathod and S.B. Borgaonkar	<i>Journal of Pharmacognosy and Phytochemistry</i> NAAS - 5.21	6(6): 1081-1083.
54	2020	PA 740 : High yielding, superior fibre quality desi cotton (<i>Gossypium arboreum</i>) variety for south zone of India	V.N. Chinchane, K.S. Baig, S.B. Borgaonkar and A.H. Rathod	<i>International Journal of Chemical Studies</i> NAAS - 5.31	8(6): 1951-1954.
55	2020	Influence of High Density Planting and genotypes on major pests and diseases in rainfed cotton.	A. D. Pandagale, K. S. Baig, S. M. Telang, P. K. Dhoke, S. S. Rathod, and T. B. Namade.	<i>Journal of Entomology and Zoology studies.</i> NAAS - 5.53	8(3): 1916-1920.
56	2020	Plant density and genotype evaluation for High Density Planting system of cotton under rainfed cotton.	A. D. Pandagale, K. S. Baig, S. S. Rathod, and T. B. Namade.	<i>International Journal of Current Microbiology and Applied Sciences</i> NAAS - 5.38	9(09): 1291-1298.

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57	2020	Identification of suitable varieties of Soybean for various soil types in different climatic conditions.	K. S. Baig, D. G. More and A. D. Pandagale.	<i>International Journal of Current Microbiology and Applied Sciences</i> NAAS - 5.38	9(10): 1824-1828.
58	2020	Management of Prevalent Diseases of Cucumber (<i>Cucumis sativus</i>) through Integrated Approach	A. T. Daunde, R. D. Baghele and V. S. Khandare.	International Journal of Current microbiology and applied sciences. NAAS - 5.38	9 (7): 3022-3028.
59	2020	Integrated Management of Collar Rot of Chilli Caused by <i>Sclerotium rolfsii</i> Sacc.	A. T. Daunde, K. T. Apet, K. D. Navgire and V. S. Khandare.	International Journal of Current microbiology and applied sciences. NAAS 5.38	9 (6): 2187-2194.
60	2020	Translational Pigeonpea Genomics Consortium for Accelerating Genetic Gains in Pigeonpea (<i>Cajanus cajan</i> L)	Rachit, K. Saxena, Anil, Hake, Anupama J. Hingane, C. V. Sameer Kumar, Abhishek Bohra, Abhishek Rathod, Anil Kumar, Anil Mishra, A. N. Tikle, Chourat Sudhakar, S. Rajamani, D. K. Patil, I. P. Singh, N. P. Singh and Rajeev K. Varshney	Agronomy10: 1-20 NAAS :8.26	Agronomy10: 1-20
61	2020	Heterosis studies for yield and its components traits in pigeonpea [<i>Canjanus cajan</i> (L.) Millsp].	Arkhe V.A., Patil D.K., Syed Abubakkar and Gite V.K.	Multilogic In Science NAAS 5.20)	Vol. X, Issue XXXIV: 790-795
62	2020	Combining ability studies for yield and yield components in Pigeonpea (<i>Cajanus cajan</i> L. Milsp.).	Arkhe, V. A., D. K. Patil, V. K. Gite, Abubakkar Syed	Multilogic in Science NAAS 5.20)	X (XXXII), April 2020.
63	2020	Analysis of variance for combining ability, gene action and heritability, proportional contribution of lines, testers and lines x testers of different characters in Pearl Millet (<i>Pennisetum glaucum</i> (L.)	Altaf Shaikh, D. K. Patil, D. G. Kale, D. A. Kharad, P. B. Kardile and YU. Pawar	Journal of Pharmacognosy and Phytochemistry NAAS 5.21)	Sp. 9 (5): 480-483

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64	2020	Phenotypic and genotypic path coefficient analysis studies in Chickpea (<i>Cicer arietinum</i> L.)	Altaf Shaikh, D. K. Patil, D. A. Kharad, P. B. Kardile and Yogesh Pawar	International Journal of Current Microbiology and Applied Sciences NAAS 5.38	Volume 9 (10): 3947-3956
65	2020	Performance of different characters of parents and hybrids analysis of variance and heterosis studies in pearl millet (<i>Pennisetum glaucum</i>)	D. A. Kharad, D. K. Patil, A. B. Shaikh, P. B. Kardile and Yogesh Pawar	Journal of Pharmacognosy and Phytochemistry NAAS 5.2	Sp. 9 (5): 501-505.
66	2020	Status of Chickpea Wilt caused by <i>Fusarium oxysporum</i> f. sp. ciceri in Marathwada Region of Maharashtra State	Sontakke, P. L., D. N. Dhutraj, C. V. Ambadkar and Badgajar, S. L.	Int.J.Curr.Microbiol.App. Sci. NAAS 5.38	9(07): 2553-2560
67	2020	<i>In vitro</i> Efficacy Bioagents against Bacterial Leaf Spot of Chilli caused by <i>Xanthomonas axonopodis</i> pv. <i>vesicatoria</i> .	Chapke, S. M., D. S. Bharti., P. L. Sontakke, M. G. Patil, and Dhutraj, D. N.	Int.J.Curr.Microbiol.App. Sci. NAAS 5.38	9(12): 106-111
68	2020	Effect of organic, inorganic and integrated nutrient management on yield attributes, production of onion and soil properties under Vertisol of Maharashtra	Rathod N.B., Khandare R.N. and Karle A.S.	<i>International Journal of Chemical Studies</i> NASS 5.38	8(1): 937:940.
69	2020	Carrier based and liquid bioinoculants of <i>Azotobacter</i> and PSB saved chemical fertilizers in wheat (<i>Triticum aestivum</i> L.) and enhanced soil properties in Mollisols.	Khandare RN, Ramesh Chandra, Navneet Pareek and Kiran Raverkar	<i>Journal of Plant Nutrition</i> NASS 7.71	43(1) 36-50
70	2020	Influence of Mechanization on Soybean-Safflower Cropping System in terms of Growth, Yield and Economics.	Bhutada, P.O., S.B. Ghuge and Kote, G.M. Kote	<i>Int.J.Curr.Microbiol.App. Sci.</i> NAAS 5.38	9 (08): 1303-1306.

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71	2020	Performance of Soybean-Safflower Cropping System under BBF Land Configuration under Different Spacing and INM over Traditional Method.	Pritam O. Bhutada, S.B. Ghuge and Patil, C.B.	<i>Int.J.Curr.Microbiol.App .Sci. NAAS 5.38</i>	9(08): 2663-2669.
72	2020	Response of Different Fertilizer Level to Sweet Sorghum Cultivars in Rainfed Environment (<i>Sorghum bicolor</i> L. Moench).	Pritam O. Bhutada, Jagdish Eknath Jahagirdar and Kote. G. M.	<i>Int.J.Curr.Microbiol.App .Sci. NAAS 5.38</i>	9(06): 645-649
73	2020	Impact of front line demonstration yield sorghum.	Pritam O. Bhutada, Dr.GM Kote., J. E. Jahagirdar and K. R. kamble.	Journal of pharmacogenosy and phytochemisry, NAAS 5.21	9 (04) Part-E:344-377
74	2020	Correlation and path analysis studies in finger millets for yield and yield contributing traits	B. R. Chavan, L. N. Jawale,	International Journal of chemical studies NAAS 5.31	2911-2914
75	2020	Effect of chemicals on fruit retation of Mango	P.D. Paralkar, S.G. Patil and V.M. Naglot	International J. Chemical studies NAAS 5.31	VOI. 08 (1)-.99
76	2020	Effect of chemicals on fruit quality of mango	P.D. Paralkar, S.G. Patil and V.M. Naglot	International J. Chemical studiesNAAS 5.31	
77	2020	Heterosis studies for grain mould resistance parameters in Sorghum (<i>Sorghum bicolor</i> (L.) Moench)	D.G .Ingole, H.V. Kalpande, V.N. Chinchane and D.B. Deosarkar	International Journal of Chemical Studies NAAS 5.31	8(2): 109-114
78	2020	Heterosis studies in CMS based and conventional hybrids for fibre quality in cotton (<i>G. hirsutum</i> L.) over the environment's	G.R. Gopal, D.B. Deosarkar and V.N. Chinchane	International Journal of Chemical Studies NAAS 5.31	8(2): 115-119
79	2020	Performance of <i>Gossypium arboreum</i> genotypes of different agro-climatic zones for yield and fibre quality parameters under rainfed condition	V.N. Chinchane, K.S. Baig and G.R. Gopal	Journal of Pharmacognosy and Phytochemistry NAAS 5.21	9(2): 10-11

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80	2020	Studies on combining ability for yield, yield contributing and fibre quality traits in desi cotton (<i>Gossypium arboreum</i> L.)	K.K. Nand, V.N. Chinchane, G.R. Gopal and S.G. Puri	Journal of Pharmacognosy and Phytochemistry NAAS 5.21	9(2): 12-14
81	2020	Heterosis studies in CMS based and conventional hybrids for yield and yield contributing traits in cotton (<i>G. hirsutum</i> L.) over the environments	G. R. Gopal, D. B. Deosarkar and V. N. Chinchane	Int.J.Curr.Microbiol.App. Sci NAAS 5.21	9(3): 1212-1227
82	2020	Heterosis studies for fibre quality traits in desi cotton (<i>Gossypium arboreum</i> L.) across the environments	V. N. Chinchane, D. B. Deosarkar, H. V. Kalpande and K. S. Baig	Int.J.Curr.Microbiol.App. Sci NAAS 5.38	9(1): 1897-1908
83	2020	Combining ability analysis for fibre quality traits in desi cotton (<i>Gossypium arboreum</i> L.) across the environments	V. N. Chinchane, D. B. Deosarkar, K. S. Baig and H. V. Kalpande	Int.J.Curr.Microbiol.App. Sci NAAS 5.38	9(1): 1885-1896
84	2020	PA 740: High yielding, superior fibre quality <i>desi</i> cotton (<i>Gossypium arboreum</i>) variety for South zone of India	VN Chinchane, KS Baig, SB Borgaonkar and AH Rathod	International Journal of Chemical Studies NAAS 5.31	8(6): 1951-1954
85	2020	Performance of genotypes and hybrids for seed cotton yield and yield contributing traits in <i>desi</i> cotton (<i>Gossypium arboreum</i> L.)	V.N.Chinchane , D.B.Deosarkar and H.V. Kalpande	<i>International Journal of Chemical Studies</i> NAAS 5.31	8(6): 1958-1963
College of Agriculture Parbhani Agricultural Botany					
86	2020	Heterosis Studies for grain mould resistance parameters in Sorghum (<i>Sorghum bicolor</i> (L.) Moench)	D.G. Ingole, H.V. Kalpande, V.N. Chinchane and D.B. Deosarkar	International Journal of Chemical studies 2020 NAAS 5.31	: 8 (2) Feb. 109-114
87	2020	Heterotic studies in three way cross hybrids of sunflower (<i>Helianthus annuus</i> L.) over environments	Pole S.P, Kalpande H.V., Ghodke M.K., and Misal A.M.	Int. J. of Chemical studies 2020 NAAS 5.31	: 8 (6) August 2925-2931

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88	2020	Heterosis and combining ability analysis for productivity traits in brinjal (<i>Solanum melongena</i> L.)	J.D. Deshmukh, H.V. Kalpande and S.V. Kalyankar	The pharma Innovation J.1 2020 NAAS 5.03	: 9 (11) Oct. 177-180
89	2020	Heterotic behavior of sunflower hybrids in different environments	Pole S.P, Kalpande H.V, Toprope V.N, and Zate D.K.	J. of Pharmacognosy and Phytochemistry 2020 : NAAS 5.21	9 (6) Oct. 426-430
90	2020	Heterosis for fruit yield and its yield attributing traits in brinjal (<i>Solanum melongena</i> L.)	C Vijay Kumar Reddy, J.D. Deshmukh and Kalpande H.V	J. of Pharmacognosy and Phytochemistry 2020 : NAAS 5.21	9 (6) Oct. 480-486
91	2020	Combing Ability Analysis for Fibre Quality Traits in Desi Cotton (<i>Gossypium arborium</i> L.) Across the Environments	V.N. Chinchane, D.B. Deosarkar, K.S. Baig and H.V. Kalpande	Int. J. Curr. Microbiol. App. Sci (2020) NAAS 5.38	9 (1) Nov. 1885-1896
92	2020	Heterosis studies for Fibre Quality Traits in Desi Cotton (<i>Gossypium arborium</i> L.) Across the Environments	V.N. Chinchane, D.B. Deosarkar, H.V. Kalpande and K.S. Baig	Int. J. Curr. Microbiol. App. Sci (2020) NAAS 5.38	9 (1) Nov. 1897-1908
93	2020	Induced Mutations in Homozygous and Heterozygous Genotypes of Soybean	H.V. Kalpande, S.B. Borgaonkar and S.K. Chavan	Int. J. Curr. Microbiol. App. Sci (2020) NAAS 5.38	9 (6) Nov. 3045-3056
94	2020	Mutagenic Induction of Yield Contributing Traits in of Soybean (<i>Glycine max</i> (L.) Merrill) with Gamma Irradiation and EMS	H.V. Kalpande, S.B. Borgaonkar and S.K. Chavan	Int. J. Curr. Microbiol. App. Sci (2020) NAAS 5.38	9 (6) Nov. 3057-3063
95	2020	Impact of Gamma Rays on Quantitative Traits of Soybean (<i>Glycine max</i> (L.) Merrill) in M ₂ Generation	H.V. Kalpande, S.B. Borgaonkar and S.K. Chavan	Int. J. Curr. Microbiol. App. Sci (2020) NAAS 5.38	9 (6) Nov. 3064-3067
96	2020	Genetic variability studies in mutant PVK 801 genotype of Sorghum (<i>Sorghum bicolor</i> (L.) Moench)	V.B. Thange, A.B. Bagade and Kalpande H.V	J. of Pharmacognosy and Phytochemistry 2020 : NAAS 5.21	10 (1) Dec. 784-786

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97	2020	Heterotic behaviour of sunflower hybrids in different environments	Pole SP, Kalpande HV, Toprope and D.K. Zate	Journal of Pharmacognosy and Phytochemistry 2020; NAAS 5.21	9(6): 426-430
98	2020	Impact of high temperature stress on morpho-physiological and biochemical processes in plants: A review	D. G. Dalvi, P. B. Kardile, S. S. Shinde and L. N. Jawale	Indian journal of Agriculture and Allied sciences, 2020, NAAS 5.12	Volume-6, No: 1, PP-32-40
99	2020	Effect of sowing dates on phenological characters of wheat (<i>Triticum aestivum</i> L.) Crop- A review	P. D. Patil, D. G. Dalvi, L. N. Jawale and P. B. Kardile	Indian journal of Agriculture and Allied sciences, 2020, NAAS 5.12	Volume-6, No: 1, PP-69-73
100	2020	Effect of sowing date on spike and grain characters of wheat (<i>Triticum aestivum</i> L.) Crop- a review	S. D. Kulthe, D. G. Dalvi, P. B. Kardile and L. N. Jawale	Indian journal of Agriculture and Allied sciences, 2020, NAAS 5.12	Volume-6, No: 1, PP-17-22
101	2020	Flowering behaviour in alphonso mango influenced by stem girdling and root pruning : A review	N. S. Chavan, P. B. Kardile, D. G. Dalvi and B. B. Dharble	Indian journal of Agriculture and Allied sciences, 2020, NAAS 5.12	Volume-6, No: 1, PP-54-58
102	2020	Yield and yield components in chickpea (<i>Cicer arietinum</i> L.) as influenced by seed priming and foliar spray of bio-agents	D. G. Dalvi, P. B. Kardile and Y. V. Pawar	Journal of pharmacognosy and phytochemistry, 2020, NAAS 5.21	9(4), PP: 3489-3492
103	2020	Effect of seed priming and foliar spray of bio-agents on quality seed production in chickpea	D. G. Dalvi, P. B. Kardile and Y. V. Pawar	Journal of pharmacognosy and phytochemistry, 2020, NAAS 5.21	9(4), PP: 3472-3475
104	2020	Effect of different sowing dates on morphological characters of wheat crop: A review	D. G. Dalvi, P. B. Kardile, H. V. Kalpande and A. H. Rathod	Indian journal of Agriculture and Allied sciences, 2020, NAAS 5.12	Volume-6, No: 3, PP-

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105	2020	Heterosis studies for yield and yield traits in Brijnal	JD Deshmukh, HV Kalpande and SV Kalyankar	The Pharma Innovation Journal NAAS 5.23	9(11) 205-208
106	2020	Heterosis and combining ability analysis for productivity traits in Brijnal (<i>Solanum melongena</i> L.)	AB Bagde, J.D. Deshmukhand SV Kalyankar	The Pharma Innovation Journal NAAS 5.23	9(11) 177-180
107	2020	Heterosis for fruit yield and its yield attributing traits in in Brijnal (<i>Solanum melongena</i> L.)	C Vijay Kumar Reddy, J.D. Deshmukhand HV Kalpande	Journal of Pharmacognosy and phytochemistry 2019; NAAS 5.21	9(6): 480-486
108	2020	Correlation studies in cowpea (<i>Vigna unguiculata</i> L.)	PN Ugale, MP Wankhade and JD Deshmukh	International journal of Chemical Studies 2020; NAAS 5.31	8 (6) 743-746
109	2020	General and specific combining ability studies for yield attributing traits in brinjal	C Vijay Kumar Reddy, J.D. Deshmukh and MP Wankhade	International journal of Chemical Studies 2020; NAAS 5.31	8 (6) 747-751
110	2020	Genetic variability studies in cowpea (<i>Vigna unguiculata</i> L.)	P.N. Ugale, M.P. Wankhade and A.B. Bagade	Journal of Pharmacognosy Phytochemistry 2020; NAAS 5.21	9(6) 476-479
111	2020	Correlation studies in cowpea (<i>Vigna unguiculata</i> L.)	P.N. Ugale, M.P. Wankhade and J.D. Deshmukh	International Journal of Chemical Studies (2020) ;NAAS 5.31	8(6): 743-746
112	2020	General and specific combining ability studies for yield attributing traits in brinjal (<i>Solanum melongena</i> L.)	C Vijay Kumar Reddy, J.D. Deshmukh and M.P. Wankhade	International Journal of Chemical Studies (2020) ;NAAS 5.31	8(6): 747-751
113	2020	Combining ability effects in CMS based pigeonpea (<i>Cajanus cajan</i> (L.) Millsp) hybrids	J.E. Jahagirdar, A.W. More, M.P. Wankhade and M.R. Lokhande	The Pharma Innovation Journal 2020; NAAS 5.03	9(12): 224-227
114	2020	Path coefficient analysis studies for yield and yield contributing and fibre quality traits in cotton (<i>Gossypium hirsutum</i> L.)	A.R. Gaikwad	Int. J. Curr. Microbiol. App. Sci, 2020 NAAS 5.38	, 1313-1318

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115	2020	2.Molecular characterization of cotton (<i>Gossypium hirsutum</i> L.) genotypes using SSR markers for fibre quality traits	A.R. Gaikwad	Int. J. Curr. Microbiol. App. Sci, 2021, NAAS 5.38	1748-1759
Entomology					
116	2020	Bio-efficacy of newer insecticides against pomegranate thrips, <i>Scirtothrips dorsalis</i> Hood in Hasta bahar	R.Y.Khandare, D.R.Kadam, and N.E.Jayewar.	Journal of Entomology and Zoology Studies NAAS 5.53	8(5): 1571-1573
117	2020	Effect of weather factor on the incidence of major insect pests of okra	D.K.Ghuge, S.S.Gosalwad and S.K.Patil	Journal of Entomology and zoology Studies NAAS 5.53	8(1): 1474- 1479
118	2020	Bio efficacy of newer insecticides against fruit borers of okra	D.K.Ghuge, S.S.Gosalwad and S.K.Patil	International journal of chemical studies NAAS 5.48	8(1): 2606- 2611
119	2020	Population dynamics of major insect pests infesting to tomato, <i>Lycopersicon esculentum</i> (Miller)	DR Kachave, MM Sonkamble and SK Patil	Journal of Pharmognosy and Phytochemistry NAAS 5.21	7(5):356-361
120	2020	Bio-efficacy of different insecticides against major defoliators on soybean	A.S.Sapekar, M.M. Sonkamble and Y.B.Matre	International Journal of Current Microbiology and Applied Sciences NAAS 5.38	Sp.issue-11pp 2561-2559
121	2020	Seasonal Incidence of major pests of soybean and its Correlation with weather parameters	A.S.Sapekar, M.M. Sonkamble and Y.B.Matre	International Journal of Current Microbiology and Applied Sciences NAAS 5.38	Sp.issue-11pp 2555-2560
122	2020	Effect of newer insecticides against maize aphid, <i>Rhopalosiphum maidis</i> (Fitch)	S.V.Sangle,N.E.Jayewar and M.M. Sonkamble 2020	International Journal of Chemical Studies NAAS 5.31	8(6)pp2500-2504

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123	2020	Evaluation of proper crop stage and insecticide for management of pink bollworm <i>Pectinophora gossypiella</i> Saunders on cotton.	Gosavi, D. U. ; Bhede, B. V.; Badgujar, A. G. and Ambad, R. B.	Journal of Entomology and Zoology Studies, . NAAS 5.53	8(1): 1131-1135
124	2020	Evaluation of different bio-pesticides against shoot and fruit borer on okra,	Gaikwad, B.B.; Bhosle, B. B. and Bhede, B. V.	Journal of Entomological Research,. NAAS 5.05	44(4) : 511-518
125	2020	Evaluation of novel insecticides against lepidopteron insect pests of sorghum fall armyworm, <i>Spodoptera frugiperda</i> and earhead worm, <i>Helicoverpa armigera</i> .	Poul, R. M.; Jayewar, N. E. and Bhede, B. V.	Journal of Entomology and Zoology Studies,. NAAS 5.53	8(6): 1826-1830
126	2020	Evaluation of different bio-pesticides against aphid on okra.	Gaikwad, B.B.; Bhosle, B. B. and Bhede, B. V.	Journal of Entomology and Zoology Studies, NAAS 5.53	8(3): 339-345
127	2020	Screening of different varieties of okra against shoot and fruit borer <i>Earias vitella</i> .	Gaikwad, B.B.; Bhosle, B. B. and Bhede, B. V.	Journal of Entomological Research,.NAAS 5.05	44(1) : 51-54
128	2020	Efficacy of different biopesticides against green lacewing on okra.	Gaikwad, B.B.; Bhosle, B. B. and Bhede, B. V.	International Journal of Chemical Studies, NAAS 5.31	8(3): 601-606.
129	2020	Eco friendly treatments for the management of pulse beetle <i>C. chinensis</i> L. on chickpea	Waghmare PD and Bantewad SD	International Journal of Chemical Studies; NAAS 5.31	8(2): 2625-2632
SOIL SCIENCE					
130	2020	Impact of levels of zinc and various zinc solubilizing microorganisms on changes in zinc and other soil nutrients in spinach	Waghmare, Y.A., Dhamak A.L. and Syed Ismail	<i>International Journal of Chemical Studies</i> NAAS 5.31	8(1): 529-535

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131	2020	Relationship between soil Physico-chemical properties, available macro and micronutrients and yield in cotton growing soils of Nanded district of Maharashtra.	Ghode, M.K., Vaidya, P.H. Nawkhare A.D. and Ingole A.J. (2020)	<i>Journal of Pharmacognosy and Phytochemistry 2020;</i> NAAS 5.21	9(3): 2062-2065
132	2020	Characterization, classification and soil site suitability of pomegranate (<i>Punica granatum L.</i>) growing soil of Latur district Maharashtra	Thale, L.R., Vaidya, P.H., Shrivastav, A.S. and Sarda, D.A. (2020)	<i>International Journal of Chemical Studies 2020;</i> NAAS 5.31	8(3): 2959-2964
133	2020	Evaluation of tank silt hybridized soil and its impact on yield of soybean and pigeon pea in Latur district Maharashtra.	Wadne, S.S., Vaidya, P.H., Shrivastav, A.S. and Sarda, D.A.	<i>International Journal of Chemical Studies 2020;</i> NAAS 5.31	8(3): 2965-2970
134	2020	Assessment of Soil Quality of Babhalgaon Village of Latur District for Soil Health and Land Resource Management by using Remote Sensing and GIS Techniques	A. D. Nawkhare, P. H. Vaidya, M. K. Ghode and N. S. Titirmare	<i>International Journal of Current Microbiology and Applied Science</i> NAAS 5.38	9(7): 4009-4023
135	2020	Enzyme activity and soil biological properties influenced by application of different nutrient sources in onion under vertisols of Maharashtra.	Rathod, N.B., Khandare R.N. and Vaidya P.H.	<i>International Journal of Chemical Studies 2020;</i> NAAS 5.31	8(6): 2727-2730
136	2020	Impact of integrated nutrients management on soil quality, yield and quality of chilli (<i>Capsicum annum L.</i>) under inceptisol.	Narute R.M., Vaidya, P.H., Shrivastav, A.S. and Sutar, A.U	<i>Journal of Pharmacognosy and Phytochemistry 2020;</i> NAAS 5.21	9(6): 869-873
137	2020	Effect of tank silt, organic and inorganic fertilizers on growth, nutrients uptake yield and yield attributes of chilli (<i>Capsicum annum L.</i>) under Inceptisol.	Narute RM, Vaidya PH and Shrivastav AS	<i>The Pharma Innovation Journal 2020;</i> NAAS 5.06	9(11): 289-294

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138	2020	Effect of Vermicomposting and Composting of Municipal Solid Waste (MSW) on Growth, Yield and Quality of Chickpea.	Chetankumar, C., Vaidya, P.H. and Zade, S.P.	<i>International Journal of Environment and Climate Change</i> . 10,. NAAS 5.03	12 (Dec. 2020), 126-136
139	2020	Quality of Vermicompost and Compost of Municipal Solid Waste (MSW) and their Effect on Soil Characteristics, Nutrients Content, Uptake and Yield of <i>Chickpea</i>	Chetankumar C, Vaidya P H, Zade S P and Avte S B	<i>Chemical Engineering..</i> NAAS 6.0	v01i01, 130 -135
140	2020	Impact of eco-friendly organic formulations and inorganic fertilizations on enzymatic activity and microbial population in soils grown under tomato	Kachave,T.R.Dhamak,A.L. ,Syed Ismail and B.R. Gajbhiye	<i>Pharmacognosy and phytochemistry</i> NAAS 5.52	9(2):2039-2043
141	2020	Influence of organic formulations and inorganic fertilizations on soil properties and macronutrient uptake by tomato	Kachave,T.R.Dhamak,A.L. and B.R. Gajbhiye	<i>Pharmacognosy and phytochemistry</i> NAAS 5.52	9(2):2034-2038
142	2020	Long term effect of integrated nutrient management on soil organic carbon fractions in Vertisol under sorghum – wheat cropping system	Dhamak, A.L., S.L.Waikar and S.S.Shilewant	<i>International J. of Chem. Studies</i> NAAS 5.35	8(4):1971-1974
143	2020	Effect of organic formulations on growth and yield of soybean	Amol Jagdale, Anil Dhamak,Bhushan Pagar and Pankaj Wagh	<i>International J. of Chem. Studies</i> NAAS 5.35.	8(4):1634-1638
144	2020	Effect of water-soluble fertilizers through fertigation on growth, yield component and yield of Bt cotton	Jayashri Gawali,Anil Dhamak and Suresh Waikar	<i>International J.of Chem. Studies.</i> NAAS 5.35	8(5):2635-2638
145	2020	Effect of water-soluble fertilizers through fertigation on quality, nutrient content and nutrient uptake of Bt cotton	Jayashri Gawali,Anil Dhamak and Snehal Shilewant	<i>International J.of Chem. Studies</i> NAAS 5.35	8(5):2639-2642

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146	2020	Effect of water-soluble fertilizers through fertigation on soil available N, P, K and yield of Bt cotton	JayashriGawali,Anil Dhamak and Swati Zade	<i>Int. J. Curr. Microbiol. App. Sci</i> NAAS 5.38	9(11) :512-516
147	2020	Characterization of humus in soil and its relation with physical and physicochemical properties of soil under long term effect of integrated nutrient management in sorghum – wheat cropping system	Dhamak, A.L., S.L.Waikarand S.S.Shilewant	<i>Int. J. Curr. Microbiol. App. Sci</i> NAAS 5.38	9(10) :561-568
148	2020	Effect of graded levels of potassium and micronutrients on yield, quality and nutrient uptake in pigeon pea through soil and foliar application under Vertisols	SU Chavan, MS Deshmukh and TR Kachave	<i>Jour. of Pharmacognosy and Phytochemistry</i> NAAS 5.21	
149	2020	Evaluation of macro and micro nutrient status of pomegranate orchards from Maharashtra region by soil and leaf analysis	MS Deshmukh, TR Kachave and PM Kanase	<i>Jour. of Pharmacognosy and Phytochemistry</i> NAAS 5.21	
150	2020	Effect of soil and foliar feeding of nutrients through organic and inorganic sources on yield and quality of sweet orange (<i>Citrus Sinensis L. Osbeck</i>)	SS Shilewant, VD Patil, SL Waikar, HK Kausadikar	<i>IJCS</i> 8 (4), NAAS 5.38	958-960
151	2020	Influence of application of various levels of organic and inorganic nutrients sources on soil quality parameters	SL Waikar Zade,S.P. and Pawar,J,M,	<i>Int.,J.Chem.Studies.</i> NAAS 5.35	8 (2), 2869-2872
152	2020	Response of iron and zinc fortification on growth, yield and quality of spinach	SS Suryavanshi, SL Waikar, MA Ajabe	<i>Journal of Pharmacognosyand Phytochemistry</i> NAAS 5.52	9 (4), 2040-2043

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153	2020	Effect of integrated nutrient management (INM) on available micro nutrients of pomegranate (<i>Punica granatum</i> L.) orchard soil	Bhagyaresha R Gajbhiye, VD Patil and Tejswini R Kachave	<i>International Journal of Chemical Studies</i> NAAS 5.31	8(4): 1900-1903
154	2020	Effect of integrated nutrient management (INM) on growth and yield of pomegranate (<i>Punica granatum</i> L.)	Bhagyaresha R Gajbhiye, VD Patil and Tejswini R Kachave	<i>Journal of Pharmacognosy and Phytochemistry</i> NAAS 5.21	9(4):1703-1706
155	2020	Carbon status in major bfruit orchards soils of Parbhani District of Maharashtra.	S.P.Zade, S.L.Bhosale and P. H. Gourkhede.	<i>Inter J of current microbiology and Applied sciences</i> NAAS 5.38	Vol.No. 9(3)1-11
156	2020	Taxonomic Classification, Characterization and Mapping of BSP Farm of Parbhani for Rational Land Use Planning	S SSHilewant ,V D Patil and P H Gourkhede.	<i>Inter J of current microbiology and Applied sciences</i> NAAS 5.38	9(4) :2808- Vol.No. 2826
157	2020	Effect of foliar feeding of Gluconate and EDTA chelated plant nutrients on yield, chlorophyll content and nitrate reductase enzyme of Bt. Cotton under rainfed ecosystem of Marathawada.	P H Gourkhede, V D Patil and S A Adkine.	<i>International Research Journal of Pure and Applied Chemistry.</i> NAAS 5.40	Vol.No.21(10)41 – 49
AGRICULTURAL METEOROLOGY					
158	2020	Study the Thermal Requirement of Soybean (<i>Glycine max</i>) Varieties under Varied Environment at Parbhani District, India.	D. Usha Sri and M. G. Jadhav	Int.J.Curr.Microbiol. App.Sci NAAS 5.28	9(6): pp4056-4063
159	2020	Heat use efficiency of Soybean (<i>Glycine max</i>) at different phenophases and different treatments of varieties under varied environment at Parbhani	D. Usha Sri, M. G. Jadhav, D. Sujeet and B. Neha.	Int.J.Curr.Microbiol. App.Sci (NAAS 5.28	9(7): pp2696-2701.

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160	2020	Impact of water saving techniques on leaf water potential of broccoli under various water stress conditions	Pralhad Jaybhaye and Asis Mukherjee	Journal of Agrometeorology NAAS 6.55	22 (4) : 535-540
161	2020	Estimation of reference evapotranspiration (ET _o) at Parbhani, Maharashtra	Phad S.V., K. K. Dakhore and R. S. Sayyad	<i>Mausam</i> NAAS 6.24	71 (1) pp 145-148
AGRIL EXTENSION					
162	2020	Path Analysis Showing the Effects of Profile of MGNREGA Beneficiaries with Overall Impact	Dhulgand V.G. and Kadam R.P	Journal of Multilogic in Science, NAAS 5.20	9 (32), pp:394-397
163	2020	Farmers Perception About Climate Change and Adaptation Strategies in Marathwada Region	Bhong M.U. and Kadam R.P.	Journal of Multilogic in Science, NAAS 5.20	9 (32), pp: 291-294,
164	2020	Profile and Perception of Farmers' About Climate Change in Marathwada Region	Kudale P.C. and Kadam R.P.	Journal of Multilogic in Science, NAAS 5.20	9 (32), pp: 324-327, 2277-7601
165	2020	Profile of Extension Personnel Working in State Agril. Department of Marathwada Region, India	Kshatriya A.M., Deshmukh P.R. and Kale N.D.	Int. J. Current Microbiology and Applied Sciences, NAAS 5.38	9(1),pp:2273-2277
166	2020	Krishi Mahiti Wahini of VNMKV, Parbhani: Boon for Farmers	Puri S.G., Deshmukh P.R. and Kale U.N.	Int. J. Current Microbiology and Applied Sciences, NAAS 5.38	9(4),pp:2326-2335
167	2020	Profile of Bt Cotton Growers for Control of Pink bollworm	Todkar A.M., S.R. Jakkawad and Khodake S.B.	Journal of Pharmacognosy and Phytochemistry, NAAS 5.21	9(5), pp:668-670
168	2020	Relationship between Profile of Bt Cotton Growers and their Knowledge Adoption for Control of Pink bollworm	Todkar A.M., S.R. Jakkawad and Khodake S.B.	Int. J. Current Microbiology and Applied Sciences, NAAS 5.38	9(12),XX-XX, pp:1-4

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169	2020	Rational Analysis of the Farmers Regarding Digital and Communication Technologies (DTCs) Utilization	Kharge AP, Kadam RP and More AG	Indian Journal of Plant Protection	48 (4), pp: 337-342
170	2020	Constraints and Suggestion Perceived by Farmers in Utilization of Digital and Communication Technologies for Agril.	Kharge AP, Kadam RP and More AG	Int. Journal Current Microbiology and Applied Sci., NAAS 5.38	11, pp: 89-95
171	2020	Profile of Farmers about Utilization of Digital and Communication Technologies (DTCs) in Agriculture	Kharge AP, Kadam RP and More AG	Int. Journal Current Microbiology and Applied Sci., NAAS 5.38	11 pp: 96- 104
172	2020	Utilization of Digital and Communication Technologies (DTCs)in Agriculture by the Framers	Kharge AP, Kadam RP and More AG	Int. Journal Current Microbiology and Applied Sci., NAAS 5.38	11 pp: 3488-3498
173	2020	Utility of AgroTech VNMKV Mobile App as Perceived by the User Farmers	Pawar H. Y., Kapse P. S. and Puri S. G.	Int. Journal Current Microbiology and Applied Sci., NAAS 5.38	9(4),pp:1280-1286
174	2020	Correlates of Utility Perception of AgroTech VNMKV Mobile App by the User Farmers	Pawar H. Y., Kapse P. S. and Jadhav V.B.	Int. Journal Current Microbiology and Applied Sci., NAAS 5.38	9(11), pp:3129-3136
175	2020	Study Profile of the Pomegranate Growers	Bhoyar S.D., Ahire R.D. and Kapse P.S.	Int. Journal Current Microbiology and Applied Sci., NAAS 5.38	9(12),pp:2006-2011
176	2020	Constraints faced by Members of Self-Help Group and Invite their Suggestion to Overcome Constraints	More A.G., Ekale J.V. and Khatge A.P.	Int. Journal Current Microbiology and Applied Sci., NAAS 5.38	11, pp:325-328

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177	2020	Study the Profile of Self-Help Group Members in Agriculture and Allied Activities	More A.G., Ekale J.V. and Khatge A.P.	Int. Journal Current Microbiology and Applied Sci., NAAS 5.38	11, pp:316-324
178	2020	Profile if the farmers Perception about Environmental Risk in Pesticide Use	Bhosle B.S. and Deshmukh P.R.	Int. J. Current Microbiology and Applied Sciences, NAAS 5.38,	11,pp:2347-2353
179	2020	Constraints Faced by Staff of Krishi Vigyan Kendra's during their Job in Marathwada	Dhakne V.B., Deshmukh P.R. and Puri S.G.	Int. J. Current Microbiology and Applied Sciences NAAS 5.38,	9(11), pp:2499-2565
180	2020	Production Potential of Soybean Based Cropping Sequence under Resource Conservation Technologies	Nayak S. K., Narkhede W.N., Sutar V.K. and Gokhale D.N. 2020	<i>Indian Journal of Ecology</i> , NAAS 5.79	47(4): 1125-1129.
181	2020	Effect of organic weed management practices on weed control and yield of soybean-gram cropping system under irrigated condition	Chavan A. A., Narkhede W. N. and Karle A. S.	<i>Indian Journal of Weed Science</i> , NAAS 5.84	52(3): 245–249
182	2020	Effect of land configuration, growth regulators and integrated nutrient management on yield and economics of Pigeonpea.	Sutar V. K., Narkhede W. N., Nayak S. K. and Jadav K. T.	<i>Journal of Crop and Weed</i> , NAAS 5.46	16(2): 227-232.
183	2020	A system model describing the impact of organic resource use on farming households in low to middle income countries	Jo Smith, Dali Nayak, Ahim Datta W.N.Narkhede	<i>Agricultural Systems</i> , NAAS 11.37	184 (2020):1-35
184	2020	Studies of Agro meteorological indices in hybrid maize under different weather condition.	S.V. Shingne, B.V. Asewar, G. Raut	<i>Int.J.Curr.Microbiol.App .Sci</i> NAAS 5.38	vol. 9(9) (2020) 310-317

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185	2020	Pigeonpea(<i>Cajanaus cajan L.</i>) + Sesame(<i>Sesamum indicum L.</i>) intercropping system under variable crop geometry and row ratios under rainfed condition:	P.B.Kale, N.G.Kurhade and S.U.Pawar	<i>Int.J.Curr.Microbiol.App .Sci</i> NAAS 5.38	vol. 9 Nov.2
186	2020	Yield and economics of soybean (<i>Glycine max (L.) Merrill</i>) as influenced by biostimulants and foliar spray of plant growth regulators	Jawale SS, Mirza IAB, Pawar AD and Hinge PP	International Journal of Chemical Studies, NAAS 5.31	8(6): 2354-2356
187	2020	Effect of plant growth regulators and fertilizer spray on growth and yield of Niger [<i>Guizotia abyssinica (L.f.) Cass.</i>].	Pawar AD, Mirza IAB, Jawale SS, Thombre SV and Daurle MK	International Journal of Chemical Studies NAAS 5.31	8(6): 2351-2353
188	2020	Yield and economics of Niger as influenced by water soluble fertilizer spray and plant growth regulators	Pawar AD, Mirza IAB, Jawale SS, Thombre SV and Halge SS	Journal of Pharmacognosy and Phytochemistry, . NAAS 5.21	9(6): 1442-1444
189	2020	Effect of plant growth regulators on growth yield attributes and yield of soybean (<i>Glycine max (L.) Merrill</i>).	Jawale SS, Mirza IAB, Pawar AD and Kalambe JD	Journal of Pharmacognosy and Phytochemistry, : NAAS 5.21	2405-2410.
190	2020	Enhancing Water Productivity of Rainfed <i>Bt.</i> Cotton (<i>Gossypium hirsutumL.</i>) through Various Agronomic Practices	More, P. N., M. P. Jagtap, and Rathod, A. J.	<i>Int.J.Curr.Microbiol.App .Sci.</i> NAAS 5.32	
191	2020	Rain Water Use Efficiency of Rainfed <i>Bt.</i> Cotton (<i>Gossypium hirsutum L.</i>) as Influenced by Various Agronomic Practices.	More, P. N., M. P. Jagtap, D. N. Gokhale and Rathod, A. J.	<i>Int.J.Curr.Microbiol.App .Sci</i> NAAS 5.32.	

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192	2020	Effect of integrated nutrient management on yield attributes and quality parameters of onion crop (<i>Allium cepa</i> L.) cv. N-53.	Yedake, S.S., S.J. Shinde, P.K. Waghmare and V.N. Shinde.	<i>International Journal of chemical Studies</i> , NAAS 5.31	8(4): 3845-3849.
193	2020	Studies in growth and development of onion crop (<i>Allium cepa</i> L.) cv. N-53 as influenced by integrated nutrient management.	Yedake, S.S., S.J. Shinde, P.K. Waghmare and S.B. Jaiswal.	<i>International Journal of chemical Studies</i> , NAAS 5.31	8(4): 3855-3857
194	2020	Effect of different organic sources on quality of watermelon (<i>Citrullus lanatus</i> Thunb.)	Kharat B.M., Shinde S.J. and Patil S.D.	<i>Int.J.Curr.Microbiol.App.Sci.</i> NAAS 5.38	11:794-797
195	2020	Effect of different organic sources on yield and yield attributing character of watermelon (<i>Citrullus lanatus</i> Thunb.)	Kharat B.M., Shinde S.J. and Sonam D. Jadhav.	<i>Journal of Pharmacognosy and Phytochemistry.</i> NAAS 5.21	10(1): 827-832
196	2020	Effect of biofertilizer, liquid organic manures along with inorganic fertilizers on economic yield of okra (<i>Abelmoschus esculentus</i> L.Moench)	Sonam D. Jadhav, Shinde S.J. and Kharat B.M.	<i>International Journal of chemical Studies</i> , NAAS 5.31	9(1)1777-1780
197	2020	Influence of biofertilizer, liquid organic manures along with RDF on growth and flowering of okra (<i>Abelmoschus esculentus</i> L.Moench)	Sonam D. Jadhav, Shinde S.J. and Kalyani D. Deshmukh.	<i>Journal of Pharmacognosy and Phytochemistry.</i> NAAS 5.21	10(1): 303-306
ECONOMICS					
198	2020	Economic analysis of beet root production in Maharashtra.	Pokharkar, S.V., D. S. Perke and V.G. Pokharkar	<i>Journal of Pharm and Phytochemistry</i> , NAAS: 5.21	9(1): 305-311 ISSN -2349-8234
199	2020	Economic analysis of beet root marketing in Pune District	Pokharkar, S.V., D. S. Perke and V.G. Pokharkar	<i>Journal of Pharmacognosy and Phytochemistry</i> NAAS: 5.21	9(2): 819-822 ISSN -2349-8234

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200	2020	Knowledge and attitude of the beneficiaries farmers towards soil health card.	Jakkawad S R, D S Perke and R C Sawant	<i>International Journal of Chemical studies</i> NAAS: 5.31 ISSN - 2349-8528,	SP-8(4): 219-222
201	2020	Economics of marketing of Chickpea in Beed District of Maharashtra International.	V.S.Chavan, D.S.Perke, and R.D.Shelke	<i>Journal of Current Microbiology And Applied Sciences</i> NAAS: 5.38 ISSN - 2319-7692.	9 (11):xx-xx
202	2020	Socio economic study and seasonal indices of turmeric in Sangli district of Maharashtra.	Dhok, A.A., D.S.Perke and Karanjalkar, A.P.	<i>The Pharma Innovation</i> NAAS: 5.03 ISSN- 2349-8242	SP-9(11) : 41-44
203	2020	Economic analysis in marketing of turmeric in Sangli district.	Dhok, A.A., D.S.Perke and Karanjalkar, A.P.	<i>Journal of Pharmacognosy and Phytochemistry</i> NAAS: 5.21 ISSN - 2349-8234	SP-9(5) : 628-620
204	2020	Constraints and suggestions of sericulture production in Parbhani district.	Choudhari S.D, D.S.Perke and VS Talekar	<i>Int. J. Curr. Microbiol. App. Sci.</i> NAAS: 5.38 ISSN - 2319-7692	Special Issue-11: 774-779
205	2020	Economics of Mulberry Leaves Production in Parbhani District.	ChoudhariSD, D.S.Perke and D.S.Jadhav	<i>Int. J. Curr. Microbiol. App. Sci.</i> NAAS: 5.38 ISSN - 2319-7692	Special Issue-11: 787-793
206	2020	Cost and Returns of Cocoon production in Parbhani district of Maharashtra state.	ChoudhariSD, D.S.Perke and SA Chaudhari	<i>Int. J. Curr. Microbiol. App. Sci.</i> NAAS: 5.38 ISSN - 2319-7692	Special Issue-11: 780-786
207	2020	Analysis of Cost and Return Structure of Chickpea Cultivation	Chavan R.V., S.S.More and R.D. Shelke	<i>International Journal of Current Microbiology and Applied Science</i> NAAS: 5.38	9 (5) : 3009-3013

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208	2020	Resource Productivity and Resource Use Efficiency in Chickpea Production	Chavan R.V., S.S.More and R.D. Shelke	International Journal of Current Microbiology and Applied Science NAAS: 5.38	9 (5) : 2997-3001
209	2020	Yield Gap and Factor Influencing Yield Gap in Sugarcane Cultivation in Ahmednagar District of Maharashtra	Bodakhe, G.M., S.S.More and N.R. Dhokar	International Journal of Current Microbiology and Applied Science NAAS: 5.38	9 (12) : 1664-1670
210	2020	Growth and Instability in Area, Production and Yield of Onion in India	Nalegaonkar A.R., S.S.More, R.D. Shelke and P.A. Gade	International Journal of Current Microbiology and Applied Science NAAS: 5.38	9(11) : 2761-2767
211	2020	Direction of Trade and Changing Export Pattern of Onion	Nalegaonkar, A.R., S.S.More, R.D. Shelke and P.A. Gade	International Journal of Current Microbiology and Applied Science NAAS: 5.38	9(11) : 2755-2760
212	2020	Growth and Instability in Area, Production and Yield of Chilli In India	P.A. Gade, S.S.More, R.D. Shelke and Nalegaonkar, A.R.	International Journal of Current Microbiology and Applied Science NAAS: 5.38	9(11) : 2647-2654
213	2020	Direction of Trade and Changing Export Pattern of Chilli	P.A. Gade, S.S.More, R.D. Shelke and Nalegaonkar, A.R.	International Journal of Current Microbiology and Applied Science NAAS: 5.38	9(11) : 2638-2646
214	2020	Has Production of Cotton in Maharashtra Shown Stable Growth Over the Years.	More S. S., K.V., Deshmukh and R.V. Chavan	Current Agriculture Research Journal NAAS:4.36	8 (3) : 224-231
215	2020	Forecasting of Cotton Production in India Using Advanced Time Series Models	More Sachin Sudhakar	Indian Journal of Economics and Development NAAS:5.15	16 (4) : 583-590

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216	2020	Constraints and Suggestion Analysis in Production and Marketing of Maize in Marathwada Region of Maharashtra using Garrett's Ranking Technique	Thombre R.F., K.V. Deshmukh, S.S. More and R.V. Chavan	International Journal of Current Microbiology and Applied Science NAAS: 5.38	9(8) : 1773-1778
217	2020	Socio-Economic Characteristics of Maize Growers in Marathwada region of Maharashtra, India	Thombre R.F., K.V. Deshmukh, R.V. Chavan and S.S. More	International Journal of Current Microbiology and Applied Science NAAS: 5.38	9(6) : 612-617
218	2020	Costs, Returns and Profitability of Brinjal in Latur District of Maharashtra	Berkile M.S., S.S. More and A. A. Dhok	Research Journal of Chemical and Environment Sciences NAAS: 4.17	8(3) : 30-33
219	2020	Socio-Economic Characteristics of Brinjal Growers in Latur District of Maharashtra	Berkile M.S., S.S. More and A. A. Dhok	Research Journal of Chemical and Environment Sciences NAAS: 4.17	8(3) : 34-36
220	2020	Growth and Instability in Cotton in India	More S.S. and R.F. Thombre	Trends in Bioscience NAAS:2.7	13(3) : 150-154
221	2020	Trends and Patterns of Foreign Direct Investment in India (FDI)	S.V. Bharati, P.V. Karale and R. V. Chavan	International Journal of Current Microbiology and Applied Sciences NAAS: 5.38	9(5)
222	2020	Resource Productivity and Resource Use Efficiency in Chickpea Production	Chavan R.V., S.S. More and R.D. Shelke	International Journal of Current Microbiology and Applied Science NAAS: 5.38	9 (5) : 2997-3001
Animal Husbandry and Dairy Science					
223	2020	Studies on Reproductive Performance of Red Kandhari Cattle in their Breeding Tract of Maharashtra, India	Bainwad D.V., Thombre B. M. and Narwade S.G.:	<i>International Journal of Current Microbiology and Applied Sciences</i> NAAS: 5.38	9

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224	2020	Studies on Sensory Properties of Dahi Blended With biofortified Bajra Flour.	R.V. More , B.M. Thombre , S.G. Narwade and V. Y. Sawant	<i>Int.J. Curr. Microbial App. Sci</i> NAAS: 5.38	9
225	2020	Studies on physico-chemical properties of buffalo milk ghee prepared by using turmeric powder (<i>Curcuma longa L.</i>)	Ambhore S.S, P.V.Padghan, G.k.Londhe and Soni Khobragade.:	<i>International Journal of Chemical Studies</i> NAAS: 5.31	8
226	2020	Development and analysis of nutritional rich traditional snack product from fox tail and finger millet by using whey protein concentrate	Satpute D.B. Londhe G.K. More R.V. Chadar U.A,	Journal of Pharmacognosy and Photochemistry NAAS: 5.21	9
227	2020	Effect of whey protein concentrate (WPC) on microbial and textural evaluation of fox tail and finger millet	Satpute D.B. Londhe G.K. Chadar U.A	<i>Int.J.Curr.Microbiol.App .Sci</i> NAAS: 5.38	9
228	2020	Effect of incorporation of whey protein concentrate on physicochemical, sensory , textural and microbial evaluation of developed jowar papadi	Deshmukh Sonali Lahu and Londhe Gajendra Kondiba	<i>International Journal of Chemical Studies</i> NAAS: 5.31	8
Agricultural Engineering					
229	2020	Calibration of FAO-aquacrop model fccor summerc chilli (<i>Capsicum annum L.</i>) in Marathwda region	S.J.Supekar A.S.Kadale R.G.Bhagyawant	International Journal of Chemical Studies NAAS 5.2	8(1)
230	2020	Calibration of FAO-aquacrop model fccor summerc chilli (<i>Capsicum annum L.</i>) in Marathwda region	S.J.Supekar A.S.Kadale R.G.Bhagyawant	International Journal of Chemical Studies NAAS 5.2	8(1)
College of Agriculture Ambajogai					
231	2020	Eco friendly treatments for the management of pulse beetle <i>C. chinensis L.</i> on chickpea	Waghmare PD and Bantewad SD :	International Journal of Chemical Studies; NAAS 5.31	8(2): 2625-2632

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232	2020	Screening the seeds of different chickpea genotypes against pulse beetle <i>C. chinensis</i> L. in laboratory condition.	Waghmare PD and Bantewad SD:	International Journal of Chemical Studies; NAAS 5.31	8(2): 1442-1450
233	2020	Thermal requirement of pigeon pea varieties at different phonological stages under varied weather conditions	Bhalerao B.S., D. C. Lokhande and B.R.Bobade	<i>J. Pharma. and Phyto</i> NAAS -5.21	9(2): 1425-1428.
234	2020	Effect of soaking Time on Water Absorption Behavior of Dehulled Soybean Dhal	S.B.Jadhav, S.U. Khodke, P.G. More	International Journal of Chemical Studies NAAS 5.31	:8(1):2894-2897 ISSN:2349-8525
235	2020	Effect of Slice to Solution Ratio on Mass Transfer and Sensory Quality of Osmotically Dehydrated Carrot Slices	P.G. More, S.U. Khodke, S.B. Jadhav	International Journal of Multilogic in Science NAAS 5.20	Vol. IX, Issue-XXXII,Jan-
236	2020	Studies on Pressing Pressure Pressing Time on Qualities of Soypaneer	S.B.Jadhav, S.U. Khodke	The Pharma Innovation Journal NAAS 5.03	Vol.9(6):629-633
237	2020	Effect of Pressing Pressure and Pressing Time on Moisture Content, Yield , Colour Values and Sensory Quality of Soypaneer	S.B.Jadhav, S.U. Khodke	Journal of Pharmacognosy and Phytochemistry NAAS 5.21	:9(6):244-248
238	2020	Effect of Different Coagulants on Textural Properties of Soypaneer	S.B.Jadhav, S.U. Khodke	International Journal of Chemical Studies NAAS 5.31	:8(6):403-406
College of Agriculture, Osmanbad					
240	2020	Morphological and biochemical mechanisms of resistance against powdery mildew (<i>Golovinomyces cichoraceaarun</i>) of sunflower (<i>Helianthus annuus</i> L.),2020	V N Toprope and G D Matsagar	J. Oilseeds Res. NAAS : 5.02	Special Issue 2020
241	2020	Character association studies for morph-biochemical mechanisms of resistance against powdery mildew (<i>Golovinomyces cichoraceaarun</i>) of sunflower (<i>Helianthus annuus</i> L.),2020	V N toprope, G D Matsagar and V L Rathod	J. Oilseeds Res. NAAS : 5.02	Special Issue 2020

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242	2020	Studies on genetic variability, correlation coefficient and path analysis in niger (<i>Guizotia abyssinica</i> L. Cass)	S S Atlawar, V N Toprope and R J Shinde	J. Oilseeds Res. NAAS : 5.02	Special Issue 2020
243	2020	Assessment of genetic variability, character association and path analysis in F ₂ segregating population for quantitative traits in chickpea,	V.L.Rathod. V.N.Toprope and L.P.Godage	<i>Int.J.Curr.Microbiol.App.Sci</i> NAAS : 5.38	9(8)
244	2020	Heterotic behaviour of sunflower hybrids in different environments,	S.P., Kalpande H.V., Toprope V.N. and Zate D.K.	<i>J. Pharmaco. Phytochem</i> NAAS : 5.21	9(6)
245	2020	Residual Effect of Organics, Phosphorus Levels and Application of Fertilizer Levels on Wheat in Soybean-wheat Cropping Sequence in Vertisols	M.S.Waghmare, P.G.Chavan and P.K. Rathod	<i>Int.J.Curr.Microbio.App.Sci.</i> NAAS:5.38	9 (6)
246	2020	Laboratory performance of Developed Centifugal Blower of Aero Blast Sprayer for High Density plantation Mango Orchard.	B.B. Badgire, S.M. Mathur, R.K. Rathod and G.S. Tiwari	<i>Int. J. of Current Microbiology and Applied Sciences</i> NAAS- 5.38	
247	2020	Determination of Spray and Air Volume Requirement for High Density plantation Mango Orchard.	B.B. Badgire, S.M. Mathur, R.K. Rathod and G.S. Tiwari	<i>Int. J. of Current Microbiology and Applied Sciences</i> NAAS- 5.38	
248	2020	Physical and Mechanical Properties of Fenugreek (<i>Trigonella foenum-Graceum</i> L.)	R.K. Rathod, S.M. Mathur, B.B. Badgire and Mukesh Kumar Singh	<i>Int. J. of Current Microbiology and Applied Sciences</i> NAAS- 5.38	
249	2020	Profile of Farmers about Schemes for Doubling Farm Income.	K.S.Thorat, S.R.Gaikwad, J.M.Deshmukh and S.N.Gaikwad.	<i>International Journal of Current Microbiology and Applied Science</i> NAAS:5.38	Vol. 9 (12): pp162-166

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250	2020	Effect of application of different insecticides on incidence of <i>shootfly Atherigona soccata</i> (Rondani) on rabi sorghum	Yashwant SB, Sable AV, Bhamare VK, More DG and Magar SJ	The Pharma Innovation NAAS: 5.23	Vol 12 (1): 3096-3102
College of Agriculture, Latur					
251	2020	Compositional studies of <i>Lassi</i> prepared from blends of germinated bio-fortified sorghum grain extract and skim milk	Jamdar KS, PV Padghan, RA Patil and Soni Khobragade	<i>International Journal of Chemical Studies</i> NAAS 5.30	8(6): 681-687
252	2020	Process standardization and sensory properties of skim milk <i>Lassi</i> blended with extract of germinated bio-fortified sorghum (Parbhani shakti)	Jamdar KS, PV Padghan and NR Pawar	<i>The Pharma Innovation Journal</i> NAAS 5.30	9(11): 79-86
253	2020	Studies on process standardization and sensory properties of buffalo milk paneer blended with raw turmeric extract (<i>Curcuma longa</i> L.)	Khobragade SP, Padghan PV, Shinde AT and Sapna Ambhore	<i>The Pharma Innovation Journal</i> NAAS 5.30	SP-9(11): 34-40
254	2020	Physico-chemical properties of Paneer prepared from blends of raw turmeric extract and buffalo milk	SP Khobragade, PV Padghan, BM Thombre and Karan Jamadar	<i>International Journal of Chemical Studies</i> NAAS 5.30	SP-8(6): 85-90
255	2020	Studies on turmeric powder (<i>Curcuma Longa</i> L.) added ghee	SS Ambhore, PV Padghan, BM Thombre and KS Jamadar	<i>The Pharma Innovation Journal</i> NAAS 5.30	9(12): 09-14
256	2020	Studies on physico-chemical properties of buffalo milk ghee prepared by using turmeric powder (<i>Curcuma longa</i> L.)	Ambhore SS, PV Padghan, GK Londhe and Soni Khobragade	<i>International Journal of Chemical Studies</i> NAAS 5.30	8(6): 1617-1621.
257	2020	Studies on sensory properties of alcoholic beverage from Chakka whey by using yeast culture as an adjunct	Wavhal AS, Padghan PV, Patange SB, Ingale RR and Waghmare SS	<i>Journal of Pharmacognosy and Phytochemistry</i> NAAS 5.21	Sp 9(5): 362-364

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256	2020	Effect of raw turmeric extract on shelf life of paneer prepared from blends of raw turmeric extract and buffalo milk	SP Khobragade, AP Deshmukh, Sarnaik PD, Sarnaik AG and PV Padghan	<i>Journal of Pharmacognosy and Phytochemistry</i> NAAS 5.21	Sp 10(1): 146-148
258	2020	Textural properties of paneer prepared from blends of raw turmeric extract and buffalo milk	SP Khobragade, AP Deshmukh, Sarnaik PD, Sarnaik AG and PV Padghan	<i>Journal of Pharmacognosy and Phytochemistry</i> NAAS 5.21	Sp 10(1): 149-152
259	2020	Effect of soil application of sulphur and zink and foliar application of KNO ₃ , Borax, NAA and GA on chloro-phyll, carotinoid and quality parameters of soybean.	Adsul, P.B., Patil, V.D. and Shinde, S.E.	<i>Journal of Pharmacognosy and Phytochemistry</i> NAAS 5.21	9(3): 494-497
260	2020	Effect of soil application of sulphur and zink and foliar application of KNO ₃ , Borax, NAA and GA on growth and yield of soybean.	Adsul, P.B., Patil, V.D. and Shinde, S.E.	<i>Journal of Pharmacognosy and Phytochemistry</i> NAAS 5.21	9(3): 498-502
261	2020	Morphological and biochemical mechanisms of resistance against powdery mildew (<i>Golovi-nomyces cichoraceaarun</i>) of sunflower (<i>Helianthus annuus</i> L.).	Toprope V.N. and Matsagar G. D.	<i>J. Oilseeds Research</i> NAAS 5.02	37 (Special Issue):3-4.
262	2020	Character association studies for morph-biochemical mechanisms of resistance against powdery mildew (<i>Golovinomyces cichoraceaarun</i>) of sunflower (<i>Helianthus annuus</i> L.).	Toprope V.N., Matsagar G.D. and Rathod V.L.	<i>J. Oilseeds Research</i> NAAS 5.02	37 (Special Issue):84-85.
263	2020	Heterotic behaviour of sunflower hybrids in different environments.	Pole S.P., Kalpande H.V., Toprope V.N. and Zate D.K.	<i>J. Pharmaco. Phytochem.</i> , NAAS 5.21	9(6): 426-430.
264	2020	Heterotic studies in three way cross hybrids of sunflower (<i>Helianthus annuus</i> L.) over environments.	Pole S.P., Kalpande H.V., Ghodke M.K. and Misal A.M.	<i>Inter. J. Chemical Studies</i> , NAAS 5.31	8(6): 2925-2931.

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265	2020	Studies on genetic variability, correlation coefficient and path analysis in niger (<i>Guizotia abyssinica</i> L.Cass).	Atlawar S.S., Toprope V.N. and Shinde R.J.	<i>J. Oilseeds Res.</i> , NAAS 5.02	37 (Special Issue):89-90.
266	2020	Assessment of genetic variability, character association and path analysis in F ₂ segregating population for quantitative traits in chickpea.	Rathod V.L., Toprope V.N. and Godade L.P.	<i>Int.J.Curr.Microbiol.App .Sci</i> NAAS 5.38	9 (8):2485-2489.
267	2020	Comparative productivity and profitability of safflower based intercropping systems under protective irrigation on vertisol.	Patil C. B., A. S. Karle and D. N. Gokhale.	<i>Journal. of Pharmacognosy and Phytochemistry</i> NAAS 5.21	8 (4) : 176-179.
268	2020	Competitive relationship between safflower and intercrops as affected by safflower based intercropping system and protective irrigation.	Patil C. B, A. S. Karle and M. P. Jagtap	<i>Journal. of Pharmacognosy and Phytochemistry</i> NAAS 5.21	8 (4) : 3183-3186.
269	2020	Effect of organic, inorganic and INM on Yield attributes, production of onion and soil properties under vertisol of Maharashtra.	N. B. Rathod, R. N. Khandare and A. S. Karle	<i>Inter. J. of Chemical Studies.</i> NAAS 5.31	8 (1) : 937-940.
270	2020	Effect of organic weed management practices on weed control and yield of soybean- gram cropping system under irrigated condition	A.A. Chavan, W. N. Narkhede and A. S. Karle	<i>Indian J. Weed Science.</i> NAAS 5.17	52 (3) : 245-249.
271	2020	Effect of different levels of fertilizer doses on growth, nutrient uptake and yield of sunflower cultivars (2020)	V.G. Takankhar, P. N. Karanjikar and M. U. Jogdand	<i>Journal of Oilseeds Research,</i> NAAS 5.02	37 (Sp. Issue):140
272	2020	Response of Linseed (<i>Linum usitatissimum</i>) to sulphur, zinc and iron under irrigated conditions	B. M. Wakchaure, P. N. Karanjikar and V. G. Takankhar	<i>Journal of Oilseeds Research,</i> NAAS 5.02	37(Sp. Issue):163
273	2020	Analysis of weed control measures in <i>kharif</i> french bean	K. A. Chavan, V.P. Suryavanshi and P.N. Karanjikar	<i>Journal of Pharmacognosy and Phytochemistry</i> NAAS 5.21	SP6:374-376

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274	2020	Economics of integrated nutrient management in Sweet Corn (<i>Zea mays L. saccharata sturt.</i>) (2020)	P.N. Karanjikar, B.M.Wakchaure, R.Y. Karde and S.R. Kadhavane	<i>Int.J. Curr. Microbiol. App. Sci.</i> , NAAS 5.38	9(11): 3016-3021
275	2020	Laboratory Performance of Developed Centrifugal Blower of Aero Blast Sprayer for High Density Plantation Mango Orchard Jan 2020	B.B.Badgire, S.M. Mathur, R.K. Rathod, G.S. Tiwari	<i>International Journal of Current Microbiology and Applied Science</i> NAAS 5.38	Vol.9 (01)
276	2020	Determination of Spray and Air Volume for High Density Plantation Mango Orchard Feb 2020	B.B.Badgire, S.M. Mathur, R.K. Rathod, G.S. Tiwari	<i>International Journal of Current Microbiology and Applied Science</i> NAAS 5.38	Vol.9 (02)
277	2020	Physical and Mechanical Properties of Fenugreek (<i>Trigonella foenum-Graceum L.</i>) May,2020	R. K. Rathod, S. M. Mathur, B. B. Badgire and Mukesh Kumar Singh	<i>International Journal of Current Microbiology and Applied Sciences</i> NAAS 5.38	Volume 9 Number 5
278	2020	Bio-efficacy, persistence and residual toxicity of different insecticides against soybean leaf eating caterpillar <i>Spodoptera litura</i> (Fabricius) infesting soybean	V.K. Bhamare, G.R. Wahekar, D.R. Bankar, P.B. Hajare, R.S. Mahajan and B.A. Thakre	<i>Journal of Entomology and Zoology Studies</i> NAAS 5.53	Special Issue 8(4): 103-107
279	2020	Monitoring of insecticidal resistance in cotton jassid, <i>Amrasca biguttula biguttula</i> (ISHIDA) of Marathwada region of Maharashtra	P.P. Pate, V.K. Bhamare and M.K. Narode	<i>Journal of Entomology and Zoology Studies</i> NAAS 5.53	8(4): 978-983
280	2020	Bio-efficacy, persistence and residual toxicity of different insecticides against soybean pod borer <i>Helicoverpa armigera</i> (Hubner) infesting soybean	V.K. Bhamare, G.R. Wahekar, D.R. Bankar, B.A. Thakre, P.B. Hajare and R.S. Mahajan	<i>Journal of Entomology and Zoology Studies</i> NAAS 5.53	8(6): 1764-1769
281	2020	Bio-efficacy, persistence and residual toxicity of different insecticides against girdle beetle, <i>Obereopsis brevis</i> (Swedenborg) infesting soybean	V.K. Bhamare, G.R. Wahekar, D.R. Bankar, R.S. Mahajan, P.B. Hajare and B.A. Thakre	<i>Journal of Entomology and Zoology Studies</i> NAAS 5.53	8(6): 1782-1786

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282	2020	Bio-efficacy, persistence and residual toxicity of different insecticides against jassid <i>Empoasca kerri</i> (Pruthi) infesting soybean	V.K. Bhamare, G.R. Wahekar, D.R. Bankar, P.B. Hajare, R.S. Mahajan, B.A. Thakre and A.S. More	<i>Journal of Pharmacognosy and Phytochemistry</i> NAAS 5.21	10(1): 340-345
283	2020	Bio-efficacy, Persistence and Residual Toxicity of Different Insecticides against Soybean Leaf Miner <i>Approaerema modicella</i> (Deventer) Infesting Soybean	V.K. Bhamare, G.R. Wahekar, D.R. Bankar, B.A. Thakre, P.B. Hajare, R.S. Mahajan and A.S. More	<i>International Journal of Current Microbiology and Applied Sciences</i> NAAS 5.38	10(01): xx-xx
284	2020	Identification of suitable varieties of soybean for various soil types in different climatic conditions	K.S. Baig, D.G. More and A.D. Pandagale	<i>International Journal of Current Microbiology and Applied Sciences;</i> NAAS 5.38	9(10): 1824-1828
285	2020	Efficacy of some insecticides against semilooper in soybean	S.C. Bokan, P.R. Zanwar and D.G. More	<i>Indian Journal of Entomology</i> NAAS 5.89	83
286	2020	Effect of pruning regimes and fertilizer levels on quality and economics of guava (<i>Psidium guajava</i> L.)	Shinde S. B., Jagtap V.S. Kate P. A. and Shriram J. M.	<i>International journal of chemical studies</i> NAAS 5.31	15
287	2020	Economics of marketing of Chickpea in Beed District of Maharashtra	V.S.Chavan, D.S.Perke, and R.D.Shelke	<i>International Journal of Current Microbiology And Applied Sciences.</i> NAAS 5.38	9(11):xx-xx
288	2020	Growth and Instability in area, production and Yield of Chilli in India	P.A.Gade, S.S.More, R.D. Shelke and A.R.Nalegaonkar	<i>International Journal of Current Microbiology And Applied Sciences.</i> NAAS 5.38	9(11):xx-xx
289	2020	Direction of trade and changing export pattern of Chilli	P.A.Gade, S.S.More, R.D. Shelke and A.R.Nalegaonkar	<i>International Journal of Current Microbiology And Applied Sciences.</i> NAAS 5.38	9(11):xx-xx

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290	2020	Economic analysis of Milk production in Satara district of Maharashtra	S.L.Jadhav, K.V.Deshmukh and R.D. Shelke	<i>International Journal of Current Microbiology And Applied Sciences.</i> NAAS 5.38	9(11):2487-2492
291	2020	Marketing of Milk in Satara district of Maharashtra	S.L.Jadhav, K.V.Deshmukh and R.D. Shelke	<i>International Journal of Current Microbiology And Applied Sciences.</i> NAAS 5.38	9(11):2634-2637
292	2020	Direction of trade and changing export pattern of Onion	A.R.Nalegaonkar, S.S.More, R.D. Shelke and P.A.Gade	<i>International Journal of Current Microbiology And Applied Sciences.</i> NAAS 5.38	9(11):xx-xx
293	2020	Growth and Instability in area, production and Yield of Onion in India	A.R.Nalegaonkar, S.S.More, R.D. Shelke and P.A.Gade,	<i>International Journal of Current Microbiology And Applied Sciences.</i> NAAS 5.38	9(11):xx-xx
294	2020	Profitability of Goat rearing in Ahmednagar district of Maharashtra, India	A.S.Rahane, R.D. Shelke and V.S. Thombre	<i>International Journal of Current Microbiology And Applied Sciences.</i> NAAS 5.38	9(11):xx-xx
295	2020	Cost, returns and profitability of <i>Kharif</i> Groundnut in Solapur district of Maharashtra, India	S.L.Sawant, R.D. Shelke and S.L.Jadhav	<i>International Journal of Current Microbiology And Applied Sciences.</i> NAAS 5.38	9(11):xx-xx
296	2020	Price spread of <i>Kharif</i> Groundnut in Solapur district of Maharashtra, India	S.L.Sawant, R.D. Shelke and A.S.Rahane	<i>International Journal of Current Microbiology And Applied Sciences.</i> NAAS 5.38	9(11):xx-xx
297	2020	Marketing of Ginger in Aurangabad district of Maharashtra	S.E.Shinde, R.D. Shelke and G.M.Bodakhe	<i>International Journal of Current Microbiology And Applied Sciences.</i> NAAS 5.38	9(12):xx-xx

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298	2020	Economics of Ginger production in Aurangabad district of Maharashtra	S.E.Shinde, R.D. Shelke and G.M.Bodakhe	<i>International Journal of Current Microbiology And Applied Sciences.</i> NAAS 5.38	9(12):xx-xx
299	2020	An economic analysis of Cattle marketing in Beed district of Maharashtra	V.S.Thombre, R.D. Shelke and A.S.Rahane	<i>International Journal of Current Microbiology And Applied Sciences.</i> NAAS 5.38	9(11):xx-xx
300	2020	Constarints and suggestions in marketing of Cattle in Beed district of Maharashtra, India	V.S.Thombre, R.D. Shelke and A.B.Ingle	<i>International Journal of Current Microbiology And Applied Sciences.</i> NAAS 5.38	9(11):xx-xx
301	2020	<i>In vitro</i> evaluation of different fungicides and bioagents against <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i>	A.D. Gadhave, P.D. Patil, M.B. Dhawale, A.P. Suryawanshi, M.S. Joshi and V.V. Giri.	<i>Int.J.Curr.Microbiol.App .Sci.</i> NAAS 5.38	9 (8): 3576-3584.
302	2020	Cultural and morphological characterization of isolates of <i>Alternaria alternata</i> (Fr.) Keissler, causing chrysanthemum leaf blight	S.N. Banne, Sunita. J . Magar, Shruti, S. Kadam and A.P. Suryawanshi	<i>The Pharma Innovation Journal</i> NAAS 5.03	10 (1) :625-630.
303	2020	<i>In vitro</i> bioefficacy of bioagents against pathogenic mycoflora of linseed seeds	R.G. Brahmkankar, V. G. Mulekar, P.A. Sahane, D.B. Kolhe and V.B. Udar	<i>Journal of Pharmacognosy and Phytochemistry</i> NAAS 5.21	10 (1): 989-992
304	2020	<i>In vitro</i> efficacy of fungicides against <i>Alternaria</i> blight of linseed caused by <i>Alternata lini</i>	R.G. Brahmkankar, V. G. Mulekar, D.B. Kolhe, P.A. Sahane, and R.B. Bade	<i>Journal of Pharmacognosy and Phytochemistry</i> NAAS 5.21	10 (1): 993-995
305	2020	Cultural and morphological characterization of isolates of <i>Alternaria alternata</i> (Fr.) Keissler, causing chrysanthemum leaf blight	S.N. Banne, Sunita. J. Magar, Shruti, S. Kadam and A.P. Suryawanshi	<i>The Pharma Innovation Journal</i> NAAS 5.03	10 (1) :625-630.

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306	2020	<i>In vitro</i> evaluation of bio control agents against <i>Alternaria alternata</i> (Fr.) Keissler, causing leaf blight disease of chrysanthemum	S.N. Banne, Sunita. J. Magar and Shruti, S. Kadam	<i>International Journal of Chemical Studies</i> NAAS 5.31	9 (1): 1629-1632.
307	2020	<i>In vitro</i> efficacy of fungicides against <i>Alternaria alternata</i> (Fr.) Keissler, causing leaf blight disease of chrysanthemum	S.N. Banne, Sunita. J. Magar, Shruti, S. Kadam and A.S. Shinde	<i>International Journal of Chemical Studies.</i> NAAS 5.31	9 (1) :1663-1668
308	2020	Effect of fungal endophytes ofsoybean (Cv.Js-335) on growth parameters and charcoal rot disease incidence of soybean	Shruti, S. Kadam Sunita. J. Magar and S.N. Banne	<i>International Journal of Chemical Studies.</i> NAAS 5.31	9 (1) :1624-1628.
309	2020	<i>In vitro</i> antagonistic potential of endophytic fungi of soybean (<i>Glycine max</i> (L.) Merrill) against <i>Macrophomina phaseolina</i> .	Shruti, S. Kadam Sunita. J. Magar and S.N. Banne	<i>International Journal of Chemical Studies.</i> NAAS 5.31	9 (1) :1633-1637.
310	2020	Relationship between profile of farmer and their attitude towards sustainable agricultural practices	J. M. Deshmukh, S. P. Dhawale and S. V. Kanade	<i>Current Journal of Applied Sciences and Technology</i> NAAS 5.32	39(6): 101-106,
311	2020	Relationship between profile and attitude of rural women towards girls higher education	Y.S. Patil, D.D. Suradkar and J. M. Deshmukh	<i>International Journal of Current Microbiology and Applied Sciences</i> NAAS 5.38	Volume 9 Number 07
312	2020	Profile of Farmers about Schemes for Doubling Farm Income	S. R. Gaikwad, K S Thorat and J. M. Deshmukh	<i>International Journal of Current Microbiology and Applied Sciences</i> NAAS 5.38	Volume 9 Number 12
313	2020	Relationship between profile and attitude of rural women towards girls higher education	Y.S. Patil, D.D. Suradkar andJ. M. Deshmukh	<i>International Journal of Current Microbiology and Applied Sciences</i> NAAS 5.38	Volume 9 Number 07

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314	2020	Determinants of Grape Growers about Adoption of Safety Measures in Pesticide Application	S. N. Gayakwad, N. D. Deshmukh, D. D. Suradkar and S. R. Gaikwad	<i>International Journal of Current Microbiology and Applied Sciences</i> NAAS 5.38	Volume 9 Number 7
315	2020	Attitude of rural women towards girls higher education	Y. S. Patil, D. D. Suradkar	<i>Multilogic In Science</i> NAAS 5.20	Vol. X, Issue XXXV
College of Agriculture, Badnapur					
316	2020	Growth, yield, quality and uptake of nutrients in soybean as influenced by PSB and AM Fungi.	Ghadage A.D., Mane SS and JadhavK.T. :	International Journal of Chemical Studies. NAAS 5.31	8(4): 1198-1200.
317	2020	Influence of INM on nutrition, quality and microbial population in soybean	Chaudhari L.S., Mane SS and JadhavKT :	International Journal of Chemical Studies. NAAS 5.31	8(4): 1201-1203.
318	2020	Response of soybean to silicon in vertisol	AnnamwarSV, Mane SS and Kharat SP :	International Journal of Chemical Studies. NAAS 5.31	8(6): 481-483
319	2020	Impact of Soybean Front Line Demonstrations.	N.D. Deshmukh, S.K. Deshmukh and R.S. Bhople	International Journal of Current Microbiology and Applied Sciences NAAS 5.38	-
320	2020	Determinants of Grape Growers about Adoption of Safety Measures in Pesticide application.	S.N. Gayakwad, N.D. Deshmukh, D.D. Suradkar and S.R. Gaikwad	International Journal of Current Microbiology and Applied Sciences NAAS 5.38	-
321	2020	Readability of Agrowon Daily as Perceived by Readers.	R.T. Kokate and N.D. Deshmukh	International Journal of Current Microbiology and Applied Sciences NAAS 5.38	-
322	2020	Growth, yield, quality and uptake of nutrients in soybean as influenced by PSB and AM Fungi	Ghadage AD, S. S. Mane and K. T. Jadhav	International Journal of Chemical Studies NAAS 5.31	8(4): 1198-1200

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323	2020	Influence of INM on nutrition, quality and microbial population in soybean	Chaudhari L. S., S. S. Mane and K. T. Jadhav	International Journal of Chemical Studies NAAS 5.31	8(4): 1201-1203
324	2020	Influence of INM on nutrition, quality and microbial population in soybean.	Chaudhari L. S., S. S. Mane and K. T. Jadhav	<i>International Journal of Chemical Studies.</i> NAAS 5.31	8(4): 1201-1203. (2020)
325	2020	Chemical weed management in maize using pre and post emergence herbicides	Karde Y. A., Chavan P. G., and B. M. Wakchaure.	<i>Int. J. chemical studies.</i> ISSN 2349-8528 NAAS 5.31	8(6): 1100-1102.
326	2020	Residual effect of organics, phosphorus levels and application of fertilizer levels on wheat in soybean – wheat cropping sequence in vertisols	M.S. Waghmare, P.G. Chavan and P. K. Rathod	<i>Int.J.Curr.Microbiol.App .Sci.</i> ISSN : 2319-7706 NAAS 5.23	9 (6)
College of Agriculture, Golegaon					
327	2020	Response of mechanization levels and in situ rain water conservation practices, their dynamics on production potential of soybean (<i>Glycine max</i>) under rainfed condition.	B.V.Asewar, M.S.Pendke, S.H,Narale, A.K.Gore, G.Ravindra Chary and K.A. Gopinath	Ind.J of Agronomy NAAS - 5.55	65(4) 451-455
VDCOA Biotech., Latur					
328	2020	Recombinant variants of cotton leaf curl Multan virus is associated with the breakdown of leaf curl resistance in cotton in northwestern India.	P.K., Chakrabarty, P., Kumar, B.B Kalbande, R.L. Chavhan, A. Roy, B. Mandal.	Virus Disease 31:45–55 (NAAS Rating: 5.90).	31:45-55
329	2020	RNAi-mediated down regulation of <i>BADH2</i> gene for expression of 2-acetyl-1-pyrroline in non-scented <i>indica</i> rice IR-64 (<i>Oryza sativa</i> L.)	K.S. Khandagale, R.L. Chavhan and A.B. Nadaf (2020)	3 Biotech (NAAS Rating: 8.89)	10:145

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330	2020	Response of Different Fertilizer Level to Sweet Sorghum Cultivars in Rainfed Environment	Pritam O. Bhutada*, Jagdish Eknath Jahagirdar and G. M. Kote	Int.J.Curr.Microbiol.App. Sci (NAAS Rating: 5.60)	9(6): 645-649
331	2020	Correlation Studies and Path Coefficient Analysis in Chickpea (<i>Cicer arietinum</i> L.)	J. K. Dawane, J. E. Jahagirdar and P. J. Shedge	Int.J.Curr.Microbiol.App. Sci (NAAS Rating: 5.60)	9(10) 545-51
332	2020	Assessment of genetic diversity and physiochemical analysis of linseed (<i>Linum usitatissimum</i>) genotypes.	Gulla Bhavita, Jadhav Vaishnavi and Dudhare M. S.	The Pharma Innovation Journal (NAAS Rating: 5.23).	10(2): 328-331
333	2020	Biochemical studies of linseed (<i>Linum usitatissimum</i> L.) genotypes.	Bhavita, Dudhare M. S. Misal A. M. and Ghodke M. K.	The Pharma Innovation Journal (NAAS Rating: 5.23).	10(6): 299-302
College of Horticulture, Parbhani					
334	2020	Effect of different levels of chemical fertilizers and spacings on yield and quality of knol-khol (<i>Brassica oleracea</i> Var. <i>gongyloides</i> L.)	P. R., Hange, S.R. Barkule, A.S. Lohakare and G.N. Thalkari.	<i>Journal of Pharmacognosy and Phytochemistry.</i> NAAS (5.23)	9 (4):1638-1641
335	2020	Effect of different levels of chemical fertilizers and spacings on growth of knol-khol (<i>Brassica oleracea</i> Var. <i>gongyloides</i> L.)	Hange, P.R., S.R. Barkule and A.S. Lohakare	<i>Journal of Pharmacognosy and Phytochemistry.</i> NAAS (5.23)	
336	2020	Influence of different chemical substances on yield and economics of sapota (<i>Manilkara achras</i> (mill.) cv. Kalipatti	Satosh Barkule, Anshul Lohakare and Sachin Chavan	<i>Multilogic in science.</i> NAAS (5.20)	11(38):1882-1883
337	2020	Effect of rootstock girth on biomass production and success of grafts in different varieties of mango (<i>Mangifera indica</i> L)	Rakshita Nikam, Anshul Lohakare and Amit Tupe	<i>Multilogic in Science.</i> NAAS (5.21)	12 (40):162-164
338	2020	Effect of plant growth regulators and micronutrients on flower and fruit retention in mango (<i>Mangifera indica</i> . L) CV. Kesar	shinika SK and Tambe TB	<i>Int.J.chem. studies.</i> NAAS (5.31)	8(4): 3716-3719

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College of Community Science, Parbhani					
339	2020	Exsrption Purcieved by Femel Telars While Performing Stiching Activity	Sadhana Langote and Jaysree Rodge	Multilogic in science, NAAS: 5.2	X (XXXV) pp : 1140 -1142
340	2020	Nois Insentisy Level in Selected Industries	Bhagyashri Sangle and Jaysree Rodge	Multilogic in science, NAAS: 5.2	X (XXXV) pp: 1363 - 1366
341	2020	Assessment of Low Cost Technologies for Drudgery Mitigation in Ginger Production System	Jaysree Rodge, Manjusha Rewanvar and Swati Gaikwad	International journal current microbiology and app. Science, NAAS: 5.38	IX (VIII) pp: 3866 – 3872.
342	2020	Screening of Phytochemical components of leaf extracts	Sunita kale	International Journal of Current Microbiology and Applied Science NAAS– 5.38	Vol.-9, No- 9,
343	2020	Wet Processing of textiles using environment friendly agents	Sunita kale	Multilogic in Science, NASS– 5.20	Vol. X, issue XXXV,
344	2020	Situational Analysis of Farmers on Knowledge and Use of ICT in Agriculture and Allied Sectors	Puri S. G., Bellurkar C.M. and More S. G.	International Journal of Current Microbiology and Applied Sciences. NAAS :5.38	Vol. 9 (01),: 236-240.
345	2020	Krishi Mahiti Wahini of VNMKV, Parbhani: Boon for Farmers	Puri S. G., P. R. Deshmukh and U.N. Also	International Journal of Current Microbiology and Applied Sciences NAAS :5.38	Vol.9(4): 2326-2335
346	2020	Utility of Agro Tech VNMKV Mobile App as perceived by the User Farmers	H. Y. Pawar, P. S. Kapse and S. G. Puri	International Journal of Current Microbiology and Applied Sciences NAAS :5.38	Vol.9(4): 1280-1286
347	2020	Constraints faced by the Staff of Krishi Vigyan Kendras during their job in Maharashtra	V.B.Dhakne, P.R.Deshmukh and S.G.Puri	International Journal of Current Microbiology and Applied Sciences NAAS :5.38	Vol.9(11): 2499-2505

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348	2020	Study on profile and constraints faced by beneficiaries in use of farm pond in Aurangabad district of Maharashtra state	SR Jakkawad, RC Sawant and VS Manvar	Journal of Pharmacognosy and Phytochemistry NAAS: 5.21	Sp-9(4): 175-178
College Agricultural Engineering and Techonology, Parbhani					
349	2020	Effect of varying pressing pressure and pressing time on textural qualities of soypaneer.	Jadhav S. B. and Khodke S.U.	<i>The Pharma Innovation Journal</i> NAAS 5.23	9(9): 547-551 ISSN: 2319-7706
350	2020	Performance Evaluation of VNMKV Developed Power Weeder.	P. A. Munde, R. T. Ramteke and S. N. Solanki.	<i>International Journal of Current Microbiology and Applied Sciences</i> , NAAS 5.38	Vol.9(07)
351	2020	Development in solar powered agricultural sprayers : A Review	R.B. Pawar, R. T. Ramteke and S. N. Solanki.	<i>International Journal of Current Microbiology and Applied Science</i> NAAS 5.38	Vol.9(12)
352	2020	Optimization of process parameter for the production of dehydrated garlic slices by using freeze-thaw convective drying technique	M. H. Gajabe, S.U. Khodke, S. P.G. More, Nilza Othezes	<i>International Journal of Current Microbiology and Applied Sciences</i> , NAAS 5.38	9(2) 2319-7706 /
353	2020	Development of Bullock operated twin ferti hoe	P.A.Munde and S.N.solanki	IJCRT NAAS 7.97	Volume 8, Issue 11
354	2020	Performance evaluation of hand weeders -A Review	P.A.Munde R.T.Ramteke and S.N.solanki	International Journal of Scientific Research in Engineering and Management (IJSREM) NAAS 7.18	Volume: 04 Issue: 09
355	2020	Study of Hand Arm Vibration in VNMKV Developed Power Weeder	P.A.Munde A.D. Harkal and Geeta Bhumare	International Journal of Current Microbiology and Applied Sciences NAAS 5.38	Volume 9 Number 12

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356	2020	Water use efficiency of cabbage as influenced by irrigation schedules and fertigation levels	S.B. Jadhav U.M. Khodke V.K. Ingle and H.W. Awari	Journal of Pharmacognosy and phytochemistry NAAS 5.21	Vol. 9(6) Page No. 344-348
357	2020	Effect of irrigation schedules and fertigation levels on yield of cabbage (<i>Brassica Oleracea</i> Var. <i>Capitata</i>)	S.B. Jadhav, U.M. Khodke H.W. Awari and V.K. Ingle	International Journal of chemical studies NAAS 5.31	Vol. 8(6) Page No.424-427
College of Food Technology, Parbhani					
358	2020	Development and evaluation of weaning food with incorporation of horsegram malt.	S.K.Sadawarte, V.S.Pawar,P.P.Thorat and A.R.Sawate	Int.J.Curr.Microbiol.App. Sci NAAS:5.38	9(7)
359	2020	Development of processing technology for formulation of chocolate coated moth bean barand its sensory evaluation	Deshmukh Bhakti A and Pawar Vijaya S	The Pharma Innovation Journal NAAS:5.23	9(3)
360	2020	Effect of different pretreatments on physicochemical and antinutritional quality of moth Bean	Deshmukh B A and Pawar V S	Journal of Pharmacognosy and Phytochemistry NAAS:5.21	9(1)
361	2020	Studies on quality evaluation of soya milk from <i>Moringaole ifera</i> for fortified with moringa extract	Shaikh Ajaj,Shaikh Shaizad,S.K.Sadawarte,G. M.Machewad, A.R.Sawate And A.K.Singh	Journal of Pharmacognosy and Phytochemistry NAAS:5.21	9(6)
362	2020	Studies on development and organoleptic evaluation of blended guava-pineapple jelly incorporated with Aloevera	Bogha T.T., Sawate A.R., Kshirsagar R.B., Agarkar B.S., Patil B.M.	Journal of Pharmacognosy and Phytochemistry NAAS:5.21	9(1)
363	2020	Studies on Development of kiwi fruit RTS beverage incorporated Lemongrass	Bochare S.S. Kshirsagar R.B.Sawate A.R., Agarkar B.S. Patil B.M.	The Pharma Innovation Journal NAAS:5.23	9(3)

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364	2020	Effect of addition of guar gum as stabilizer on kiwi fruit RT Sincorporated with lemongrass	Bochare S.S., Kshirsagar R.B., Bogha T.T.	Journal of Pharmacognosy and Phytochemistry NAAS:5.21	9(4)
365	2020	Studies on Physical, Chemical and Mineral evaluation of guava (<i>Psidium guajava.L.</i>)	Bogha T.T. Sawate A.R., Kshirsagar R.B., Bochare S.S.	The Pharma Innovation Journal NAAS:5.23	9(3)
366	2020	Studies on standardization of blended RTS based on apple and orange juice	Kulkarni A.T. Agarkar B.S., Sawate A.R., Kshirsagar R.B.	Journal of Pharmacognosy and Phytochemistry NAAS:5.21	9(2)
367	2020	Determination of cooking quality of composite flour noodles incorporated with chia seeds powder	Kulkarni A.T., Agarkar B.S., Sawate A.R., Pawar P.P.	Journal of Pharmacognosy and Phytochemistry NAAS:5.21	9(5)
368	2020	Studies on development of Organoleptic evaluation of porridge mix	Pawar P.P., Sawate A.R., Kshirsagar R.B. and Kulkarni A.T.	The Pharma Innovation Journal NAAS:5.23	9(8)
369	2020	Studies on impact of different blanching treatments on nutritional quality attributes of green leafy vegetables	B.M. Patil, R.B. Kshirsagar, A.R. Sawate, B.S. Agarkar and Syed Zubair	International Journal of Chemical studies NAAS:5.31	8(3)
370	2020	Studies on impact of different processing methods on phytochemical and antioxidant activity of dried ginger (<i>Zingiber officinale L.</i>) rhizome,	Syed Zubair, A.R. Sawate, R.B. Kshirsagar, B.S. Agarkar and B.M. Patil,	Journal of Pharmacognosy and Phytochemistry NAAS:5.21	9(4)
371	2020	Studies on effects of cabinet drying on functional and phytochemical quality of green leafy vegetable powder	B.M. Patil, R.B. Kshirsagar, A.R. Sawate, B.S. Agarkar and Syed Zubair	Journal of Pharmacognosy and Phytochemistry NAAS:5.21	9(4)

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372	2020	Studies on effects of different processing methods on morphological and nutritional quality attributes of dried ginger (<i>Zingiber officinale</i> L.) rhizome	Syed Zubair,A.R.Sawate, R.B.Kshirsagar, B.S.Agarkar and B.M.Patil	International Journal of Chemical studies NAAS:5.31	8(3)
373	2020	Studies on quality evaluation of oat milk	SyedS.J.Gadhe,K.S, and Shaikh, R.P.	Journal of Pharmacognosy and Phytochemistry NAAS:5.21	11(1)
374	2020	Studies on physical, chemical and mineral evaluation of oats (<i>Avena Sativa</i>)	Syed S.J. Gadhe K.S.,and Katke S.D.	Journal of Pharmacognosy and Phytochemistry NAAS:5.21	9(5)
375	2020	Studies on Physico-chemical and functional properties of flax seed flour	Shaikh R.P, Gadhe K.S.	Journal of Pharmacognosy and Phytochemistry NAAS:5.21	11(1)
376	2020	Studies on development and quality evaluation of cup cake for tified with flax seed and chiaseed flour	ShaikhR.P,Gadhe K.S	The Pharma Innovation Journal NAAS:5.23	11(7)
377	2020	Development and Quality and Quality Evaluation of flax seed fortified nutra laddu with incorporated flaxseed.	Ghatge P.U., Shinde E.M .and A.R. Sawate	The Pharma Innovation Journal NAAS:5.23	9(8)
378	2020	Effect of germination treatment on chemical and nutritional properties of horse gram	Kachave K D, Pawar V S and Shinde E M	The Pharma Innovation Journal NAAS:5.23	9(12)
379	2020	Effects of different pretreatments on physicochemical and anti-nutritional quality of mothbean	Deshmukh B A and Pawar V S	Journal of Pharmacognosy and Phytochemistry NAAS:5.21	9(1)

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380	2020	Process Standardization and Quality Evaluation of Butter milk and Lemon R T S by adding Red Yeast Rice Powder as Food Colorant	Toshniwal D.D., H.W.Deshpande and S.D.Katke and N.M.Tamboli	Int.J.Curr.Microbiol.App. Sci NAAS:5.38	9(9)
381	2020	Studieson Exploration of Red Yeast Rice Powder as A Colorant in Ice-Creamand Sweetened Milk	Toshniwa ID.D., H.W.Deshpande and S. D. Katke and A.R.Sawate	Int.J.Curr.Microbiol.App. Sci NAAS:5.38	9(9)
382	2020	Reviewon Psyllium Husk (<i>Planta goovata</i>): A Novel Super food for human health	S.D. Katke, H.W. Deshpande and A.R.Tapre	Int.J.Curr.Microbiol.App. Sci NAAS:5.38	9(12)
383	2020	Quinoa Awonder Grain: A Review	LalitaL.M., More D.R., Nagulwar M	The Pharma Innovation Journal NAAS:5.23	24(2)
384	2020	Effect of popping methods on popping characteristics of quinoa seed	Lalita L.M.,More D.R., Nagulwar M.	Journal of Pharmaco. and Phytochem NAAS:5.21	9(5)
385	2020	Studies on chemical and mineral evaluation of oyster Mushroom	Nagulwar M M.,More D R	The Pharma Innovation Journal NAAS:5.23	9(8)
386	2020	Nutritional properties and value Addition of mushroom: A Review	Nagulwar M M.,More D R.,Mandhare L L.,	The Pharma Innovation Journal NAAS:5.23	9(10)
ATIC PARBHANI					
387	2020	Effect of different irrigation regimes and polythene mulches on yield and economics of drip irrigated tomato (<i>Lycopersicum esculentum</i> Mill.)	S.V. Pimple, A.S.Kadale and G.D. Gadade	Int. J. Curr. Microbiol.App. Sci NAAS 5.38	9 (9):2368-2375
EXTENTION AGRONOMIST AMBAJOGAI					
388	2020	Yield and Economics of Maize (<i>Zea mays</i> L.) under various resource constraints	Vasant P. Suryavanshi, Sachin S. Khatal and Rohit Y. Karde	International Journal of Current Microbiology and Applied Sciences (NAAS: 5.38)	Vol 9 (11): 3618-3624
389	2020	Analysis of weed control measures in <i>Khariffrench</i> bean	KA Chavan, VP Suryavanshi and PN Karanjikar	Journal of Pharmacognosy and Phytochemistry (NAAS: 5.21)	SP6: 374-376

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390	2020	Integrated nutrient management and relationship studies in Cowpea (<i>Vigna unguiculata</i> L. Walp) under rainfed conditions	B Vibhajam Sagal Kiran, NK Kalegore, VP Suryavanshi, AKGhotmukale and PH Vaidya	International Journal of Chemical Studies (NAAS: 5.31)	8(4): 1411-1415
391	2020	Response of soybean (<i>Glycine max</i> L.) genotypes to different spacings	A. B. Chavan, V. P. Suryavanshi and R. C. Mahajan	Journal of Oilseeds research, (NAAS: 5.02)	Vol. 37, (Special Issue) pp 142-143

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Sr. No	Year	Title	Authors	Journal	Volume
Research Stations					
1	2021	Stress Management in Rainfed Bt. Cotton (<i>Gossypium hirsutum</i>) through Foliar Sprays	B.V. Asewar, Pendke M.S. S. H. Narale K.A. Gopinath G.Ravindra Chary	<i>Indian Journal of Agronomy</i> , NAAS:5.68	Vol. 66 (3) pp:117-121.
2	2021	Studies on Effect of sub-soiling on Runoff, Soil Loss Soybean Yield Potential Under Rainfed Condition	PP Deshmukh, M.S Pendke, WN Narkhede, BW Bhuihar, VM Bhosle UM Khodke	<i>International Journal of Current Microbiology and Applied Sciences</i> NAAS:5.38	10 (12)
3	2021	Production potential of pigeon pea based intercropping systems under various land configurations in Marathwada region of Maharashtra	H. S. Garud, B.V.Asewar, A.A. Chavan, D. N. Gokhale, W.N. Narkhede	<i>Legume Research - An International journal</i> , (NAAS 6.53)	Vol. 44 issue 8-947-951
4	2021	Evaluation of organic weed management practices on growth, yield and weed control efficiency in soybean - chickpea sequence under irrigated condition	A. A. Chavan, W.N. Narkhede H. S. Garud	<i>Legume Research - An International journal</i> , NAAS 6.53	Vol.44 issue 8 921-928,
5	2021	Effect of tillage and land configuration practices on rowth and yield of rainfed soybean (<i>Glycine max.(L.) Merill</i>)	S Y Dhale A K Gore B V Asewar A.A.Javle	<i>Journal of Pharmacognosy and Phytochemistry</i> NAAS 5.21	
6	2021	Yield enhancement of pigeonpea through drip irrigation and fertigation management.	G.D. Gadade, D.N.Gokhale and A.S.Kadale	<i>Legume Research</i> NAAS 6.53	DOI: 10.18805 /LR-4671

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7	2021	Quantitative Morphometric Analysis using RS and GIS techniques in VNMKV-Pingali Watershed of Pingalgarh Nala Catchment of Parbhani District, Maharashtra, India.	A. B. Phupate, V. K. Ingle, H. W. Awari, U. M. Khodke, S. B. Jadhav and M. S. Pendke	<i>Int. J. Current. Microbiol. App. Sci</i> NAAS 5.20	10 (12): 258-26.
8	2021	Assessment of Aqua Crop model for Irrigated cotton under deficit irrigation in semi-arid tropics of Maharashtra.	R. N. Jadhav, S.B. Jadhav, H.W. Awari, V.K. Ingle and U.M. Khodke	<i>Int. J. Current. Microbiol. App. Sci</i> NAAS 5.20	Vol. 11(1):123-135
9	2021	WAASB based stability analysis simultaneous selection for grain yield and early maturity in soybean	V. Nataraj, A. Bhartia, C. Pratap Singh, H. Nanita Devi, M.P. Deshmukh, P. Vergjese, K Singh, S.P. Mehtre, V. kumari, S. Maranna, G. Kumawat, M. B. Ratnaparkhe, G. K. Satpute, V. Rajesh, S. Chandra, R. Ramtake, N. Khandekar and S. Gupta	<i>Agronomy Journal</i> NAAS 7.81	113:3089-3099
10	2021	Development of Dual Purpose Sorghum [<i>Sorghum Bicolor</i> (L.) Moench] Hybrid for Kharif Season Having Higher Grain and Fodder Yield of SPH 1641	AW More, HV Kalpande, RR Dhutmal and SP Mehtre,	<i>Bangladesh J. Bot.</i> NAAS 6.31	50 (2): 245-251
11	2021	Development of Sorghum Genotypes for Improved Yield and Resistance to Grain Mold Using Population Breeding Approach	C. Aruna, I. K. Das, P. Sanjana Reddy, R. B. Ghorade, A. R. Gulhane, V. V. Kalpande, S. T. Kajjidoni, N. G. Hanamaratti, S. N. Chattannavar, Shivaji Mehtre, Vikram Gholve, K. R. Kamble, C. Deepika, N. Kannababu, D. M. Bahadure, Mahalingam Govindaraj and V. A. Tonapi	<i>Frontiers in Plant Science</i> NAAS 10.40	Volume 12. Article 687332

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12	2021	GGE biplot analysis of vegetable type soybean genotypes under multi-environmental conditions in India	V. Nataraj, N. Pandey, R. Ramteke, P. Verghese, R. Reddy, T. Onkarappa, S.P. Mehtre, S. Gupta, G.K. Satpute, Y. Mohan, M. Shivakumar, S. Chandra and V. Rajesh	<i>J. Environ. Biol.</i> , NAAS 5.57	42:247-253
13	2021	Design and development of tractor drawn inter-cultivator cum sprayer for Soybean and Cotton	A.M.Kolhe, S. N. Solanki, A.A.Waghmare and R.T.Ramteke.	<i>International Journal of Current Microbiology and Applied Sciences</i> NAAS 5.38	Vol.10 (02)
14	2021	Effect of integrated nutrient management on growth and yield of linseed	Hemraj kumawat, Karle A.S. and co auther	<i>The Pharma Innovation Journal</i> (NAAS 5.23)	10 (12): 2527- 2530
15	2021	Influence of INM on yield and soil physico chemical properties in wheat (NIAW-1994) under vertisols	Shahajahan M and Shirale S.T.	<i>International journal of agriculture sciences</i> (NAAS 5.23)	Vol.13 issue -11, 2021 PP 10960-10963
16	2021	Impact of different nutrient sources on yield and nutrient uptake and quality of wheat, (<i>triticum aestivium</i>)	Md. Shahajahan, S.T. Shirale and P.H.Gourkhede	<i>The Pharma Innovation Journal</i> (NAAS 5.23)	Vol 11 (2), 1085-1087
17	2021	Profile characteristics of farmers regarding solar energy utilization in farming system	Zade PM, Prui S. G. And Bhosale GB	<i>The Pharma Innovation Journal</i> NAAS 5.23	SP-11 (1) 219-222
18	2021	Effect of designed protective clothing on physiological workload of pesticide application activity,	Madhuri Kulkarni, Jayshree Suryatal and Sunita Kale	<i>International Journal of Current Microbiology and Applied Science</i> , NAAS 5.38	ISSN: 2319-7706, Volume 10 Number 4 (2021),
19	2021	The potential of production of meat analogue by using Indian legumes–A Review	A. Poshadri and V.S.Pawar	<i>Biological Forum-An International Journal</i> NAAS 5.11	13(2)

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20	2021	Effect of particle size based sorghum flour of physicochemical properties on sensory characteristics of roti prepared from Parbhani Moti And Parbhani Super Moti	Gajmal D B, Pawar V S, Shinde E M and Shingote A B	<i>Pharma Innovation Journal NAAS 5.23</i>	10(7)
21	2021	Health benefits of soybean and soybean based food products:A study	Kamble R E, Pawar V S and Veer S J	<i>Pharma Innovation Journal NAAS 5.23</i>	10(8)
22	2021	Effect of pretreatments on nutritional composition of sorghum, green gram and ragi.	A.B.Shingote, S.K.Sadawarte, K.K.Gaikwad, D.B.Gajmal and V.S.Pawar	<i>Biological Forum – An international Journal NAAS 5.11</i>	8(4)
23	2021	Recent advances in stored Grain pest management:A review	Kale P R,Pawar VS and Shendge SN	<i>The Pharma Innovation Journal NAAS 5.23</i>	10(8)
24	2021	Antinutritional factors in foods	Veer S J, PawarV Sand Kambale R E	<i>The Pharma Innovation Journal NAAS 5.23</i>	10(7)
25	2021	Studies on physico chemical properties of sorghum, soybean, bengalgram and fenugreek leaves in instant sorghum Tortilla mix	Alane ST, GadheK S Pandit M G and Bawachkar R R	<i>Pharma Innovation Journal NAAS 5.23</i>	10(7)
26	2021	Studies on technology development, organoleptic evaluation and proximate Composition of instant sorghum Tortilla mix	Alane S T, Gadhe K S, Pandit M G and Bawachkar R R	<i>International Journal of Biological NAAS 5.11</i>	13(2)

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27	2021	Sensory and physicochemical properties of gluten free pearl millet crackers fortified with Sorghum and soybean flour	Pandit M G Gadhe K S and Alane S T	<i>Pharma Innovation</i> NAAS 5.23	7
28	2021	Studies on physicochemical and mineral evaluation of pearl millet, sorghum and soybean	Pandit M G Gadhe K S and Alane S T	<i>Pharma innovation</i> NAAS 5.23	10(7)
29	2021	Effect of different levels of fertigation on yield and yield contributing attributes of banana (<i>Musa Paradisiaca</i>) Cv. Grand Naine	Gawde R.N. Dhutraj S.V. and Pavhane S.P.	<i>The Pharma Innovation journal</i> NAAS 5.23	10(8) 1460-1462
30	2021	Feeding potential of <i>Chrysoperla carnea</i> (Stephens) on <i>Corcyra cephalonica</i> (Stainton)	Dhurgude S.S., Kharat G.S., Patait D.D.	<i>The Pharma Innovation Journal</i> NAAS 5.23	2021;10(12):1608-1611
31	2021	Studies on fertilizers levels of NPK with split application of nitrogen for Maize under rabi season	K.N. Gavhane, S.B. Pawar, S.B. Dhakane	The Pharma Innovation NAAS 5.23	10 (12), 2021
32	2021	Evaluation of mutagenic effects on frequency and spectrum of chlorophyll mutation in sorghum	V.B. Thange A.B. Bagade M.P. Wankhede	<i>The Pharma Innovation Journal</i> NAAS 5.23	10(1):2021
33	2021	Heterosis studies for yield and yield traits in Brinjal	A.B. Bagade J.D. Deshmukh S.V. Kalyankar	<i>The Pharma Innovation Journal</i> NAAS 5.23	9(11):2020
34	2021	Performance and stability of Pearl Millet varieties for grain yield and micro nutrients in arid and semi arid regions of India	P. Sanjana Reddy <i>et al</i> H.H. Bhadarge	<i>Frontiers in Plant Sciences</i> NAAS 10.40	12, article- 670201, May, 2021

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35	2021	Optimal lethal dose (LD50) of gamma rays and EMS induced mutagenesis in PBNS-12 variety of safflower (<i>Carthamus tinctorius</i> L.).	Gawande, S.M., Ghuge, S.B., Kalpande, H.V. and Rathod, S.T.	<i>The Pharma Innovation Journal</i> , NAAS 5.2	11 (5): 1554-1557
36	2021	<i>In vitro</i> evaluation of different fungicides against <i>Fusarium oxysporum</i> f.sp. <i>lycopersici</i>	R.R.Chavan, S.A.Karande, C.V.Ambadkar, P. B. Bhalerao and M. G. Patil	<i>The Pharma Innovation Journal</i> , NAAS 5.23	10 (12): 1972-1975
37	2021	Prediction of Kharifcotton yield over Parbhani, Maharashtra : Combination of extended range forecast and DSSAT-CROPGRO-Cotton model.	K.K.Dakhore, A.S.Rathod, D.R. Kadam, G. U. Shinde, Y. E. Kadam and K. Ghosh	MAUSAM, NAAS 6.37	72, 635-644.
38	2021	Field-scale Assessment of Sugarcane for Mill-level Production Forecasting using Indian Satellite Data.	Mukesh Kumar, Ayan Das, K. N. Chaudhari, Sujay Dutta, K.K.Dakhore and B.K. Bhattacharya	<i>Journal of the Indian Society of Remote Sensing</i> . NAAS 7.0	49 (12)
39	2021	Heterosis studies of newly developed intra- <i>hirsutum</i> cotton hybrids for seed cotton and lint yield and their performance for economic, morphological and fibre quality traits under rainfed condition in cotton (<i>Gossypium hirsutum</i> L.)	K.S. Baig, V.N. Chinchane, A.R. Gaikwad and U.V. Surewad	<i>Biological Forum – An International Journal</i> NAAS 5.11	14(1): 47-56. (NAAS - 5.11)
40	2021	Combining ability studies for yield and yield contributing traits in <i>desi</i> cotton (<i>Gossypium arboreum</i> L.)	K.H. Deshmukh, V.N Chinchane, H.V. Kalpande and A.V. Shinde	<i>The Pharma Innovation Journal</i>	10(8): 39-41. (NAAS - 5.23)
41	2021	Studies of genetic parameters for yield, yield contributing and fiber quality characters in <i>desi</i> cotton (<i>Gossypium arboreum</i> L.)	A.D. Mankar, D.B. Deosarkar and V.N. Chinchane	<i>The Pharma Innovation Journal</i> NAAS - 5.23	10(8): 42-44. (

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42	2021	Study on heterosis for Fibre quality traits in intra (<i>G. arboreum</i> x <i>G. arboreum</i>) and interspecific (<i>G. herbaceum</i> x <i>G. arboreum</i>) crosses of <i>desi</i> cotton	A.V. Shinde, D.B. Deosarkar, V.N. Chinchane, A.S. Deshmukh and N.R. Thakur	<i>The Pharma Innovation Journal</i> NAAS - 5.23	10(12): 1100-1104.
43	2021	Evaluation of newly developed Bt cotton (Cry 1Ac) genotypes for seed cotton yield under ultra high density planting system in cotton (<i>Gossypium hirsutum</i> L.	K.S. Baig, A.R Gaikwad , V.N Chinchane , A.D. Pandagale and S.V Surewad	<i>Biological Forum – An International Journal</i> NAAS - 5.11	13(4): 1129-1133.
44	2021	Evaluation of F1 hybrids in chilli for vegetative and yield characters	K Deepika, VS Khandare, DP Waskar and CH Shanmukhi	<i>The Pharma Innovation Journal</i> NAAS 5.23	10(12): 1364-1368
45	2021	Estimation of generation mean analysis and scaling test for fruit yield and its attributing traits in okra (<i>Abelmoschus esculentus</i> L. Moench)	Kalyani D Deshmukh, VS Khandare and BM Kharat	<i>The Pharma Innovation Journal</i> NAAS 5.23	10(1): 292-295
46	2021	Generation mean analysis in okra (<i>Abelmoschus esculentus</i> L. Moench) for yield and yield contributing characters	KD Deshmukh, VS Khandare and SD Jadhav	<i>The Pharma Innovation Journal</i> NAAS 5.23	10(1): 288-291
47	2021	Estimating the extent of heterosis for yield and yield contributing characters in Bitter gourd	CH Shanmukhi, VS Khandare, DP Waskar, SP Mehtre and K Deepika	<i>The Pharma Innovation Journal</i> NAAS 5.23	10(9): 1504-1510
48	2021	Multivariate Analysis using D2 and Principal Component Analysis in Mung bean [<i>Vigna radiata</i> (L.) Wilczek] for Study of Genetic Diversity	R.A. Jadhav, S.P. Mehtre, D.K.Patil, and V.K. Gite	<i>Legume Research.</i> NAAS 6.53	DOI: 10.18805/LR-4508: (1-8).

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49	2021	Development of In-situ germination resistant breeding lines in Mung bean (<i>Vigna radiata</i> (L.) Wilczek) by wide hybridization	R.A. Jadhav, S.P. Mehtre, D.K.Patil, and V.K. Gite	<i>The Pharma Innovation Journal</i> . NAAS 5.23	10(8):151-158
50	2021	Identification of stable fertile restorer lines for yield and yield components in Pigeonpea (<i>Cajanus cajan</i> (L.) Millsp)	V.K. Gite, D.K. Patil, J.E. Jahagirdar and H.V. Kalpande	<i>The Pharma Innovation Journal</i> . NAAS 5.23	10(12):2301-2306
51	2021	Effect of Long-Term Fertilizer and Manure Application on Chemical Properties of Soil, Nutrient Availability and Yield of Soybean (<i>Glycine max</i>) and Safflower (<i>Carthamus tinctorius</i>) in Vertisol	Avte S.B., Vaidya P.H. and Khandare R.N.	<i>Journal of Chemical Engineering</i> NASS 5.00	Volume 04 : 160-165
52	2021	Effect of Long-Term Fertilizer and Manure Application on Physical Properties of Soil and Yield of Soybean (<i>Glycine max</i>) and Safflower (<i>Carthamus tinctorius</i>) in Vertisol	Avte S.B., Vaidya P.H. and Khandare R.N.	<i>Journal of Chemical Engineering</i> NASS 5.00	Volume 04 : 156-159. ISSN No. 0009-2460
53	2021	Impact of Long-Term Fertilizer and Manure Application on Enzyme Activities of Soil, under Soybean (<i>Glycine max</i>) - Safflower (<i>Carthamus Tinctorius</i>) Cropping Sequence in Vertisol	Avte S.B., Vaidya P.H. and Khandare R.N.	<i>Journal of Biodiversity and Ecological Sciences Acta Botanica (G)</i> NASS 5.00	35-39 ISSN No. 1253-8078
54	2021	Heterosis and per se performance studies in sesame (<i>Sesum indicum</i> L).	S.T. Rathod.,M. K. Ghodke., H. V. Kalpande and S. P. Mehetre	<i>Electronic Journal of Plant Breeding</i> . NAAS 5.14	12(3). 885-894.

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55	2021	Diallel analysis for yield and contributing traits in sesame (<i>Sesamum indicum</i> L).	Sanjay Rathod, Maharudra Ghodke, Shivaji Mehetre and Hirakant Kalpande	<i>The Pharma Innovations Journal</i> . NAAS 5.23	10 (8): 34-38.
56	2021	Genetic analysis in sunflower germplasm across the four states falling under the semi-arid environments of India.	Dudhe M. Y., Meena H.P., Sujatha M, sakhare S. B., Ghodke M. K., Misal A. M., Neelima S., Kulkarni V. V., Praduman Yadav., Ranganatha ARG and Vishnuvardhan Reddy. A	<i>Electronic Journal of Plant Breeding</i> NAAS 5.14	12(4):1075-1084.
College of Agriculture Parbhani					
Agricultural Botany					
57	2021	Development of dual purpose Sorghum (<i>Sorghum bicolor</i> (L.) Moench) hybrid for <i>kharif</i> season having higher grain and fodder yield of SPH 1641	A. W. More, H. V. Kalpande, R. R. Dhutmal S. P. Mehetre	Bangladesh J. Bot. 50(2) NAAS 6.21	June-2021 245-251
58	2021	Diallel analysis for yield and contributing traits in Sesame (<i>Sesamum indicum</i> L.)	S. T. Rathod, M. K. Ghodke, S. P. Mehetre and H. V. Kalpande	The Pharma Innovation Journal NAAS 5.23	10 (8) July-2021 34-38
59	2021	Combining ability studies for yield and yield contributing in <i>desi</i> cotton (<i>Gossypium arboretum</i> L.)	K. H. Deshmukh, V. N. Chinchane, H. V. Kalpande and A. V. Shinde	The Pharma Innovation Journal NAAS 5.23	10 (8) July-2021 39-41
60	2021	Heterosis for yield and contributing traits in Sorghum (<i>Sorghum bicolor</i> (L.) Moench)	A. W. More, D. B. Deosarkar, H. V. Kalpande and S. P. Mehetre	The Pharma Innovation Journal NAAS 5.23	10 (9) Aug-2021 1962-1966
61	2021	Association mapping an effective tool for gene mapping: A review	A. K. Choudhari, H. V. Kalpande, A. W. More and M. P. Wankhade	The Pharma Innovation Journal NAAS 5.23	10 (9) Aug-2021 467-469

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62	2021	Studies on Genetic variability yield and contributing traits colour pericarp Sorghum (<i>Sorghum bicolor</i> (L.) Moench)	S. S. Deshmukh, R. R. Dhutmal, H. V. Kalpande, and A. V. Shinde	The Pharma Innovation Journal NAAS 5.23	10 (10) Aug-2021 156-158
63	2021	Heterosis and <i>per se</i> performance studies in Sesame (<i>Sesamum indicum</i> L.)	S. T. Rathod, M. K. Ghodke, H. V. Kalpande and S. P. Mehetre	Electronic Journal of Plant Breeding NAAS 5.14	12 (3) Sept. 2021 885-894
64	2021	Identification of stable fertile restorer lines for yield and yield components in Pigeonpea (<i>Cajanus cajan</i> (L.) Millsp)	V. K. Gite, D. K. Patil, J. E. Jahagirdar and H. V. Kalpande	The Pharma Innovation Journal NAAS 5.23	10 (12) Nov. 2021 2301-2306
65	2021	Induced variability and assessment of mutagenic effectiveness and efficiency in sorghum genotypes (<i>Sorghum bicolor</i> (L.) Moench)	H. V. Kalpande, S. M. Surashe, Ashok Badigannavar, A. W. More and T. R. Ganpathi	International Journal of Radiation Biology NAAS 8.37	Dec. 2021
66	2021	Combining ability studies for fiber quality traits in intra (<i>G. arboreum</i> x <i>G. arboreum</i>) and interspecific (<i>G. harbaceum</i> x <i>G. arborium</i>) crosses of <i>desi</i> Cotton	A. V. Shinde, D. B. Deosarkar, H. V. Kalpande, N. R. Thakur and A. S. Deshmukh	The Pharma Innovation Journal NAAS 5.23	1 (1) Dec. 2021 307-310
67	2021	Evaluation of hybrid purity with their parents in sorghum (<i>Sorghum bicolor</i> L. Monech) by using Rapid and SSR markers.	TR Shaikh, KM Sharma and GS Pawar	The Pharma Innovation Journal 2021; NAAS 5.23	10(6): 155-159
68	2021	Genetic diversity assessment of Soybean germplasm accessions using pod shattering-related SSR markers	Pawar Komal, Dethe A.M., Manchare Rohini and Dhanshetty Manisha.	YMER J., NAAS 10.58	21: 2 , 315-331
69	2021	Development of dual purpose sorghum [<i>sorghum bicolor</i> (L.) moench] hybrid for kharif season having higher grain and fodder yield of SPH 1641.	AW More, HV Kalpande, RR Dhutmal* And SP Mehrete.	Bangladesh J. Bot.	50(2): 245-251

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70	2021	Combining ability analysis for grain yield and its contributing traits in sorghum (<i>Sorghum bicolor</i> (L.) Moench). Sept. 2021	More Ambika, Deosarkar DB, SP Mehtre, Dhutmal RR and HV Kalpande.	The Pharma Innovation Journal, NAAS 5.23	10(9): 1967-1970
71	2021	Study of genetic diversity using molecular markers in sunflower (<i>Helianthus annuus</i>).	Dhutmal, Rajesh Shiv Ratan Maloo1, Vijay Sharma, Anu and Vivek K Singh.	<i>Indian Journal of Agricultural Sciences..</i>	91 (7): 1058–62
72	2021	Correlation and path analysis study between yield and yield components in colored pericarp sorghum.	Deshmukh SS, Dhutmal RR, jahagirdar JE, Shinde AV	<i>The Pharma Innovation.</i> NAAS 5.23	10(10): 151-155
73	2021	Diversity analysis for yield and yield contributing traits for drought tolerance in rabi sorghum (<i>Sorghum bicolor</i> L. Moench).	Kesoju Ravali, Jahagirdar JE, Dhutmal RR. Wankhede MP, Kalyankar SV	<i>The Pharma Innovation.</i> NAAS 5.23	10(6): 151-154.
74	2021	Correlation and path and path analysis in relation to drought tolerance in rabi sorghum (<i>Sorghum bicolor</i> L. Moench).	Kesoju Ravali, Jahagirdar JE, Dhutmal RR.	<i>The Pharma Innovation.</i> NAAS 5.23	10(6): 318-321.
75	2021	Genetic variability studies for morpho-physiological traits in relation to drought tolerance in rabi sorghum (<i>Sorghum bicolor</i> L. Moench	Kesoju Ravali, Jahagirdar JE, Dhutmal RR.	<i>The Pharma Innovation.</i> NAAS 5.23	10(6): 313-317.
76	2021	Heterosis, heterobeltiosis and inbreeding depression study in okra (<i>Abelmoschus esculentus</i> (L.) Moench)	DK Zate, Faria Khan, AH Rathod and LN Jawale	The Pharma Innovation Journal 2021; NAAS 5.23	10(7): 401-410
77	2021	Feeding potential of predominant predators against safflower aphid	Pranav NN, FS Khan and Dilip Zate	The Pharma Innovation Journal 2021; NAAS 5.23	10(8): 96-100

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78	2021	Combining ability effects in CMS based pigeon pea (<i>Cajanus cajan</i> L. Millsp) hybrids	J.E. Jahagirdar, A.W. More, M.P. Wankhade and MR Lokhande	The Pharma Innovation Journal.. NAAS 5.03	Vol 9 [12]. 224-227
79	2021	Development of dual purpose sorghum [sorghum bicolor .) moench] hybrid for kharif season having higher grain and fodder yield of SPH 1641. June 2021	AW More, HV Kalpande, RR Dhutmal* and SP Mehtre.	Bangladesh J. Bot. NAAS 6.31	50(2): 245-251
80	2021	Induced variability and assessment of mutagenic effectiveness and efficiency in sorghum genotypes [Sorghum bicolor (L.) Moench].	. H.V. Kalpande, S. M. Surashe, Ashok Badigannavar, Ambika More and T. R. Ganapathi	International Journal of Radiation Biology. NAAS 8.69	98(2): 230-243
81	2021	Combining ability analysis for grain yield and its contributing traits in sorghum (Sorghum bicolor (L.) Moench). Sept. 2021	More Ambika, Deosarkar DB, SP Mehtre, Dhutmal RR and HV Kalpande.	The Pharma Innovation Journal, NAAS 5.23	10(9): 1967-1970
82	2021	Heteosis for grain yield and its contributing traits in sorghum (Sorghum bicolor (L.) Moench).	. More Ambika, Deosarkar DB, Kalpande HV and Mehtre SP	The Pharma Innovation Journal, NAAS 5.23	10(9): 1962-1966
83	2021	Genetic variability, correlation and path analysis studies in B parental lines of kharif sorghum (<i>Sorghum bicolor</i> (L.) Moench)	Tirkey Sheetal, Jawale LN and More AW . 2021.	The Pharma Innovation Journal, NAAS 5.23	10(8): 624-628
84	2021	Genetic variability, correlation and path analysis studies in R parental lines of kharif sorghum (<i>Sorghum bicolor</i> (L.) Moench)	Tirkey Sheetal, Jawale LN and More AW 2021	The Pharma Innovation Journal, NAAS 5.23	10(8): 660-664
85	2021	Correlation and path coefficient analysis studies in mutant PVK 801 genotype of sorghum (<i>Sorghum bicolor</i> (L.) Moench)	VB Thange, AB Bagade and JD Deshmukh	International journal of Chemical Studies 2021; NAAS 5.31	9 (1) 1696-1699

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86	2021	Genetic variability, heritability and genetic advance in Okara (<i>Abelmoschus esculentus</i> (L.) Moench)	Chetna, MP Wankhade and JD Deshmukh	The Pharma Innovation Journal, 2021; NAAS 5.23	10(12) 2687-2690
87	2021	Effect of folier spray of NAA (Naphthalene acaetic acidon flower drop and seed yield of pigeonpea (<i>Cajanus cajan</i> (L.) Millsp.)	Kanna Sharvani, SV Kalyankar and JD Deshmukh	The Pharma Innovation Journal 2022, NAAS 5.23	11(1) 1172-1175
88	2021	Genetic variability, heritability and genetic advance studies in safflower (<i>Carthamus tintorius</i> L.)	P.S. Rathod, S.B. Ghuge and M.P. Wankhade	The Pharma Innovation 2021; NAAS 5.23	10(6): 765-767
89	2021	Character association analysis in safflower (<i>Carthamus tintorius</i> L.)	P.S. Rathod, S.B. Ghuge and M.P. Wankhade	The Pharma Innovation ; NAAS 5.23	10(6): 768-771
90	2021	Path coefficient analysis studies in safflower accessions (<i>Carthamus tintorius</i> L.)	P.S. Rathod, S.B. Ghuge and M.P. Wankhade	Biological Forum – An International Journal (2021);NAAS 5.11	13(13b): 251-254
91	2021	Genetic variability, heritability and genetic advance in Okra (<i>Abelmoschus esculentus</i> L.)	Chetana, M.P. Wankhade and J.D. Deshmukh	The Pharma Innovation Journal 2021; NAAS 5.23	10(12): 2687-2690
92	2021	Evaluation of mutagenic effects on frequency and spectrum of chlorophyll mutation in sorghum (<i>Sorghum bicolor</i> (L.) Moench)	V.B. Thange, A.B. Bagade and M.P. Wankhade	The Pharma Innovation Journal 2021 NAAS 5.23	10(1): 285-287
93	2021	Diversity analysis for yield and yield contributing traits for drought tolerance in rabi sorghum (<i>Sorghum bicolor</i> (L.) Moench)	Kesoju Ravali, J.E. Jahagirdar, R.R. Dhutmal, M.P. Wankhade and S.V. Kalyankar	The Pharma Innovation Journal 2021; NAAS 5.23	10(6): 151-154
94	2021	Association mapping an effective tool for gene mapping: A review	A.K. Choudhari , H.V. Kalpande, A.W. More and M.P. Wankhade	The Pharma Innovation Journal 2021; NAAS 5.23	10(9): 467-469
95	2021	Evaluation of newly developed Bt cotton (Cry 1Ac) genotypes for seed cotton yield under ultra high density planting system in cotton	A.R. Gaikwad	Biological forum- An International Journal NAAS 5.11	

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96	2021	2. Heterosid studies of newly developed intra-hirsutum cotton hybrids for seed cotton and lint yield and their performance for economic, morphological and fibre quality traits under rainfed condition in cotton (<i>Gossypium hirsutum</i> L.)	A.R. Gaikwad	Biological forum- An International Journal NAAS 5.11	
Entomology					
97	2021	Studies on population dynamics of pigeonpea (<i>Cajanus cajan</i> L.) pod bugs, green stink bugs and leaf webber	Mahesh V Ugale, SD Bantewad, AL Suradkar and Altaf B Shaikh	Journal of Pharmacognosy and Phytochemistry 2021; NAAS 5.21	10(1): 1114-1116
98	2021	Intensity of bee visits during peak period on safflower (<i>Carthamus tinctorius</i> L)	GP Harke, PS Neharkar and PR Zanwar	The Pharma Innovation Journal NAAS 5.23	10(8): 1572-1573
99	2021	Biorational management of brinjal shoot and fruit borer <i>Leucinodes orbonalis</i>	AB Soulakhe, SD Bantewad and NE Jayewar	The Pharma Innovation Journal 2021; NAAS 5.23	10(8): 617-623
100	2021	Screening of sorghum genotypes against rice weevil, <i>Sitophilus oryzae</i> (L.) for their reaction	Ajay Khatavkar, Sanjeev Bantewad and Milind Sonkamble	The Pharma Innovation Journal 2021; NAAS 5.23	10(9): 1978-1983
101	2021	Economics of different diets used for comparative study of rice moth, <i>Corcyra cephalonica</i> (Stainton)	Kale AS, Neharkar PS, More PR and Harke GP	The Pharma Innovation Journal NAAS 5.23	10(12): 2198-2200
102	2021	Efficacy of insecticides against pomegranate fruit borer, <i>Deudorix isocrates</i> (F.).	R.Y.Khandare, D.R.Kadam, and S.D.Bantewad.	Indian Journal of Entomology NAAS 5.89	83(1): 65-66
103	2021	Efficacy of insecticides against pomegranate thrips, <i>Scirtothrips dorsalis</i> Hood.	R.Y. Khandare, D.R.Kadam, and S.H.Timke.	Indian Journal of Entomology NAAS 5.89	83(1): 57-58

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104	2021	Management of pomegranate fruit borer, <i>Deudorix isocrate</i> F. under Marathwada condition	R. Y. Khandare, D.R. Kadam, and A.G. Badgujar.	International Journal of Chemical Studies NAAS 5.31	9(1): 3058-3061
105	2021	Population dynamics of major insect pests of brinja	R.S. Salve, M.M. Sonkamble and S.K. Patil 2021	Indian Journal of Entomology NAAS 5.89	83(2021)pp 1-5
106	2021	Studies on ecofriendly approaches for the Management of pulse beetle in chick pea	A.D. Falke, S.K. Patil and M.M. Sonkamble	International Journal of Chemical Studies NAAS 5.31	9(1):1761-1768
107	2021	Studies on host preference of selected pulses to pulse beetle during storage	A.D. Falke, S.K. Patil and M.M. Sonkamble	The Pharma Innovation Journal NAAS 5.23	10(2):322-327
108	2021	Efficacy of different bio-pesticides against jassid on okra	B.B. Gaikwad, B.B. Bhosle and M.M. Sonkamble	Journal of Entomological Research NAAS 5.69	45 (2):260-267
109	2021	Biointensive management of Okra shoot and fruit borer <i>Earias vittella</i>	HB Mulani, SD Bantewad and NE Jayewar	The Pharma Innovation Journal 2021; NAAS 5.23	10(8): 681-690
110	2021	Biology and morphometry of tobacco leaf eating caterpillar, <i>Spodoptera litura</i> on cabbage	Gopika .R, Sonkamble M.M and Lad A.G	The Pharma Innovation Journal NAAS 5.23	10(8):1568-1571
111	2021	Biology and morphometry of diamond back moth <i>Plutella xylostella</i> on cabbage	Gopika .R, Sonkamble M.M and Bantewad S.D	The Pharma Innovation Journal NAAS 5.23	10(10):427-430
112	2021	Management of pomegranate fruit borer <i>Deudorix isocrate</i> F. under Marathwada condition	R. Y. Khandare, D.R. Kadam, and A.G. Badgujar	International Journal of Chemical Studies. NAAS 5.31	9(1):3058-3061
113	2021	Bioefficacy of newer insecticide against <i>Spodoptera litura</i> in soybean.	S.C. Bokan, P.R. Zanwar, A.G. Badgujar and D.R. Kadam	International Journal of Chemical Studies. NAAS 5.31	9(1):3097-3099

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114	2021	Heterosis, heterobeltiosis and inbreeding depression study in okra	DK Zate, F.S. Khan, AH Rathod and L.N Jawale	The Pharma Innovation NAAS 5.23	10 (7): 401-410
Soil Science					
115	2021	Influence of macro and micronutrient priming on growth parameter, grain yield and seed quality of soybean	Ugile SK, Patil VD, Kausadikar HK, Syed Ismail, Bhosale AR and Jadhav SM	<i>International Journal of Chemical Studies</i> NAAS 5.31	9(1): 2971-2977
116	2021	Influence of Foliar Application of Compost tea on Growth, Yield and Quality of Soybean [<i>Glycine max</i> (L)]	Shrinivas N, Vaidya P. H. and Gourkhede P. H.	<i>Inter. Research Journal of Pure and Applied Chemistry</i> NAAS 5.40	X(X): XX-XX,
117	2021	Effect of Foliar Application of Compost Tea on Soil Quality, Nutrient Uptake and Apparent Nutrient balance in Soil under Soybean [<i>Glycine max</i> (L)]	Shrinivas N, Vaidya P. H. and Gourkhede P. H.	<i>International Journal of Current Microbiology and Applied Sciences</i> NAAS 5.38	10(05): 594-604 594
118	2021	Effect of Long-Term Fertilizer and Manure Application on Physical Properties of Soil and Yield of Soybean (<i>Glycine max</i>) and Safflower (<i>Carthamus tinctorius</i>) in Vertisol,	Avte S.B., Vaidya P.H. and Khandare R.N. (2021).	<i>Chemical Engineering,</i> NAAS 5.00	04: 156-159
119	2021	Impact of Long-Term Fertilizer and Manure Application on Enzyme Activities of Soil, under Soybean (<i>Glycine max</i>) - Safflower (<i>Carthamus Tinctorius</i>) Cropping Sequence in Vertisol,	Avte S.B., Vaidya P.H. and Khandare R.N. (2021).	<i>Journal of Biodiversity and Ecological Sciences Acta Botanica (G)</i> NAAS 5.00	35-39.
120	2021	Influence of Jeevamrutha Microbial Culture along with Organic and Inorganic Nutrient Sources on Yield and Soil Fertility in Chickpea.	Pardeshi, N.D. Zade S.P. and P.H. Vaidya	<i>Journal of Biodiversity and Ecological Sciences Acta Botanica (G):</i> NAAS 5.00	14-20
121	2021	Impact of ammonium molybdate supplementation on growth, yield and nutrient uptake of pigeon pea (<i>Cajanus cajan</i>)	YP Swami, SL Waikar, SC Sallawar	<i>Journal of Pharmacognosy and Phytochemistry</i> NAAS 5.52	10 (1), 2145-2150

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122	2021	Influence of ammonium molybdate supplementation on quality, yield and nutrient content of pigeon pea (<i>Cajanus cajan</i>)	YP Swami, SL Waikar, SC Sallawar	<i>Journal of Pharmacognosy and Phytochemistry</i> NAAS 5.52	10 (1), 2139-2144
123	2021	Response of Iron and Zinc on Yield, Quality and Soil Nutrient Dynamics of Pearl Millet on Vertisol	S. L. Waikar, S.M. Todmal V.S. Shete	<i>International Journal of Current Microbiology and Applied Sciences</i> NAAS 5.38	10 (4)
124	2021	Physico-chemical properties and nutrient availability of Blackgram growing soil influenced by sulphur and bio-inoculant	Bhagyaresha R Gajbhiye and Shilpa D. Mane	<i>The Pharma Innovation Journal</i> NAAS 5.23	10(11):1668-1671
125	2021	Evaluation of microbial culture (jeevamrutha) preparation and its effect along with organic and inorganic nutrient sources on performance of chickpea (<i>Cicer arietinum</i> L.).	Nikita Pardeshi, Swati Zade and Anil Dhamak	<i>Chemical Engineering</i> NAAS 5.00	
Agri. Metereology					
126	2021	Sensitivity analysis to study the effects of temperature, carbon dioxide and solar radiation on sunflower under middle Gujarat Agro climatic region	M.G. Jadhav, M.M. Lunagaria, D.D. Patil and H.R. Patel	J. Agrometeorology NAAS 6.55	23 (1) : pp141-143
127	2021	Prediction of Kharif cotton yield over Parbhani Maharashtra: Combination of extended range forecast and DSSAT-CROGRO cotton model	Dakhore KK, AS Rathod, DR Kadam, GU Shine. YE Kadam and K Ghosh	MAUSAM NAAS 6.24	72 (3) pp 635-644
128	2021	Socio-Economic Impact of Micro-finance on the SHGs Members engaged in Agri. and Allied Enterprises	Nair R.G., Kadam R.P. and Kapse P.S	Int. J. of Current Microbiology and Applied Science, NAAS 5.38	10(5), pp:784-801

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129	2021	Socio-Economic Impact of Microfinanace on the SHGs Members engaged in Agri. and Allied Enterprises	Nair R.G., Kadam R.P. and Kapse P.S.	International J. of Current Microbiology and Applied Science, NAAS 5.38	10(5) , pp:784-801 Online
130	2021	Scale to measure socio-economic impact of microfinance on the SHGS members as perceived by them in Marathwada region	Nair R.G., Kadam R.P. and Kapse P.S.	The Pharma Innovation Journal, NAAS 5.23	SP-10(8) , pp: 04-11
131	2021	Correlation between profile of the respondents and their awareness about Integrated Farming System	Dhavale N. D., Kapse P.S. and Lad A.S.	The Pharma Innovation Journal, NAAS 5.23	Online pp:450-453
132	2021	Profile of the Farmers in disadvantages districts of Marathwada region in relation with ITK	Dhoke S.P., Ekale J.V. and Kapse P.S.	The Pharma Innovation Journal, NAAS 5.23	Online pp:153-155
133	2021	Relationship between Profile of Sericulture Farmers with Impact of Sericulture enterprise	Joshi R.R., Kapse P.S. and Jakkawad S.R.	The Pharma Innovation Journal 2021; NAAS 5.23	Online Vol. SP-10 (12) , pp:1860-1863
134	2021	Evaluation of Organic weed management practices on growth, yield and weed efficiency in Soybean-chickpea sequence under irrigated condition,	Chavan A.A. W.N.Narkhede and H.S.Garud, 2020,	<i>Legume Research-An International Journal</i> 2020: NAAS 6.59	44 (8): 921-928
135	2021	Production potential of pigeon pea based intercropping systems under various land configurations in Marathwada region of Maharashtra.	H. S. Garud, B. V. Asewar, and A. A. Chavan, D. N. Gokhale, W. N. Narkhede	Legume Research - An International journal, NAAS 6.59	Vol. 44 issue 8-947-951
136	2021	Stress Management in Rainfed Bt. Cotton (<i>Gossypium hirsutum</i>) through Foliar Sprays.	B.V.Asewar, Pendke M.S., S. H. Narale, K.A.Gopinath and G.Ravindra Chary,	<i>Indian Journal of Agronomy</i> , . NAAS 5.68	Vol. 66 (3) :117-121

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137	2021	Effect of tillage and land configuration practices on growth and yield of rainfed soybean (<i>Glycine max</i> (L.) Merrill)	S. Y. Dhale, A. K. Gore, B. V. Asewar and S. A. Jawale	<i>Journal of Pharmacognosy and Phytochemistry</i> 2021; NAAS 5.21	10 (1): 1245-1248
138	2021	Effect of different sources and level of sulphur on quality studies and economics of <i>kharif</i> sesamum (<i>Sesamum indicum</i> L.)	Warkad S.V, V.B. Awasarmal, S.U. Pawar and S.C. Sallawar	J. of Pharmacognosy and Phytochemistry (2021) NAAS 5.21	10(1)pp:1976-1978
139	2021	Effect of different sources and level of sulphur on growth, yield attributes and yield of <i>kharif</i> sesamum (<i>Sesamum indicum</i> L.)	Warkad V, V.B. Awasarmal, S.C. Sallawar and S.U. Pawar	J. of Pharmacognosy and Phytochemistry (2021) NAAS 5.21	10(1)pp:1397-1399
140	2021	Effect of different sources and level of sulphur on quality studies and economics of <i>kharif</i> sesamum (<i>Sesamum indicum</i> L.)	Warkad S.V, V.B. Awasarmal, S.U. Pawar and S.C. Sallawar	J. of Pharmacognosy and Phytochemistry (2021) NAAS 5.21	10(1)pp:1976-1978
141	2021	Effect of rainwater conservation practices on soil moisture status in rainfed Bt. Cotton (<i>Gossypium hirsutum</i> L)	More PN, MP Jagtap, PP Shinde and SS Kinge	<i>J. Pharmacognosy and Phytochemistry</i> NAAS 5.52	
142	2021	Tillage and crop residue management practices effect on soil physical properties under conservation agriculture in wheat.	AJ Rathod, MP Jagtap, SS Kinge, and P P Shinde.	<i>Int J Chem Stud</i> NAAS 5.32	
143	2021	Effect of tillage and crop residue management practices on yield and economics of wheat (<i>Triticum aestivum</i> L.) under conservation agriculture.	AJ Rathod, MP Jagtap, SS Kinge, and PN More.	<i>Int J Chem Stud</i> NAAS 5.32	

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Horticulture					
144	2021	Effect of IBA (Indole-3-butyric acid) concentration on success, survival and mortality of pomegranate (<i>Punica granatum</i> L.) cutting	Basir Ahmad Ahmadi, G.M.Waghmare, and A.M.Bhosale	International journal of current microbiology and applied sciences NAAS 5.31	volume 10 Number 01 (2021) Page 965-974
145	2021	Effect of different concentrations of Indol-3-butyric acid and different cutting size (Length and diameter) on shoot growth of pomegranate (<i>Punica granatum</i> L.) cutting	Basir Ahmad Ahmadi, G.M.Waghmare, and A.M.Bhosale	International journal of current microbiology and applied sciences NAAS 5.31	volume 10 Number 01 (2021) Page 2913-2964
146	2021	Effects of graded levels of zinc and zinc solubalizing microbial cultures on flowering fruiting and harvest duration in to tomato (<i>Lycoperricon esculantun</i> L.) cv. Shivam.	H.R. Galande, A.M.Bhosale S.J.Syed and Basir Ahmad Ahmadi	The pharma Innovation journal NAAS 5.23	volume 10 Number 08 (2021) Page 1863-1870
147	2021	Studies on effect of graded levels of zinc and <i>Trichoderma viride</i> , <i>Pseudomonas striata</i> on yield and quality attributing charecters in tomato (<i>Lycoperricon esculantun</i> L.) cv. Shivam.	H.R. Galande, A.M.Bhosale S.J.Syed and Basir Ahmad Ahmadi	The pharma Innovation journal NAAS 5.23	volume 10 issue 09 (2021) Page 695-702
148	2021	Response of growth parameters and crop duration of tomato (<i>Lycoperricon esculantun</i> L.) to graded level of zinc and zinc solubalizing cultures	H.R. Galande, A.M.Bhosale and S.J.Syed	The pharma Innovation journal NAAS 5.23	volume 10 issue 09 (2021) Pages :1437-1446
149	2021	Studies on post harvest application of different chemical on PLW, Shelf life and spoilage percentage of sapota cv. Kalipatti	A.M.Bhosale Shivani H.R. Galande and S.J.Syed	The pharma Innovation journal NAAS 5.23	volume SP (10) issue 12 (2021) Pages : 1675-16-81

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150	2021	Studies on effect of liquid biofertilizers and inorganic fertilizer on yield and quality of sapota (<i>Manillkara acharas</i> (Mill). Foresbery) cv. Kalipatti.	T.D.Bhogale A.M.Bhosale and S.J.Syed	International journal of Agricultural Sciences NAAS 5.23	Volume 17 (2021) pages : 27-33
151	2021	Effect of post harvest application of different chemicals on quality parameters of sapota cv. Kalipatti.	A.M.Bhosale Shivani H.R.Galande and S.J.Syed	The pharma Innovation journal NAAS 5.23	volume SP (11) issue 2 (2022) Pages: 10.-20
152	2021	Studies on effect of liquid bio-fertilizers and inorganic fertilizer on growth parameters of Sapota (<i>Manillkara acharas</i> (Mill). Foresbery) cv. Kalipatti	T.D.Bhogole A.M.Bhosale and S.J.Syed	International journal of Agricultural Sciences NAAS 5.23	Volume 11, Issue 01, (2022) pages : 499
Economics					
153	2021	Analysis of Trends in Arrivals and Prices of Gram in Latur district of Maharashtra state	Belgavkar P. D., D.S. Perke and R.D. Shelke	<i>Multilogic in Science</i> NAAS: 5.20	
154	2021	Trend in price of Indian maize.	Kolhe PR, Perke DS and Bhosale AS	<i>The Pharma Innovation Journal</i> ; NAAS: 5.03	
155	2021	An Economic Analysis of Market Integration of Major Gram Markets in Latur district.	Belgavkar P. D., D.S. Perke and R.D. Shelke	<i>Multilogic in Science</i> , NAAS: 5.20	
156	2021	Costs and returns of cocoon production in sericulture.	ChoudhariSD, DSPerke and VS Talekar	<i>The Pharma Innovation Journal</i> ; NAAS: 5.03	
157	2021	Export Performances of Fresh Papaya in India: Markov chain Approach	Hadolikor S.B., More S.S. and Jadhav V.G.	The Pharma Innovation Journal NAAS: 5.23	
158	2021	Predictive analysis of coconut prices in Odisha: An ARIMA approach	Utkal Keshari Sahoo, RV Chavan and SV Bharati	The Pharma Innovation Journal NAAS: 5.23	
159	2021	Export profile and trade direction of fresh grapes from India: Markov chain approach	Aviluchan Chetia, RV Chavan and SV Bharati	The Pharma Innovation Journal NAAS: 5.23	

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Animal Husbandry Dairy Science					
160	2021	Studies on sensory evaluation of flavoured milk prepared by using gulkand	Mehetre Suhas, Andhare Balasaheb and Deshmukh Akshay	The Pharma Innovation NAAS: 5.03	
161	2021	Utilization of Bottle gourd pulp in preparation of Burfi	V.K. Waghmare, S.G. Narwade and S.S. Bhutkar	<i>Techagro</i>	
162	2021	Effect of gulkand on physico-chemical properties of the flavoured milk prepared by using gulkand.	Mehetre Suhas, Andhare Balasaheb and Deshmukh Akshay	The Pharma Innovation, NAAS: 5.03	
Agricultural Engineering					
163	2021	Effect of different irrigation and fertigation levels on fruit quality and yield of summer chilli (<i>Capsicum annuum</i> L.)	S.J.Supekar A.S.Kadale R.G.Bhagyawant	International Journal of Chemical Studies NAAS 5.2	9(2)
164	2021	Assessment of fruit quality, dry matter yield and nutrient uptake of (<i>Capsicum annuum</i> L.) for different irrigation and fertigation levels.	S.J.Supekar, A.S.Kadale R.G.Bhagyawant	International Journal of Chemical Studies NAAS 5.2	9(2)
College of Agriculture Ambajogai					
165	2021	Efficacy Of Insecticides Against Pomegranate Fruit Borer <i>Deudorix Isocrates</i> (F.)	R Y Khandare, D R Kadam and S D Bantewad :	Indian Journal of Entomology NAAS 5.08	83(1): 65-66
166	2021	Morpho-Biochemical Parameters Associated with Resistance to Pod Borer Complex of Pigeonpea	Vishal Ambidi ,Sanjeev Bantewad , Suraj Prasad Mishra AnupamaHingane and JagdishJaba:	Pakistan J. Zool. NAAS Rating 6.24	pp 1-7
167	2021	Biorational management of brinjal shoot and fruit borer <i>Leucinodes orbonalis</i>	AB Soulakhe, SD Bantewad and NE Jayewar	The Pharma Innovation Journal : NAAS 5.23	10(8): 617-623

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168	2021	Biointensive management of Okra shoot and fruit borer <i>Earias vittella</i>	HB Mulani, SD Bantewad and NE Jayewar	The Pharma Innovation Journal : NAAS 5.23	10(8): 681-690
169	2021	Screening of sorghum genotypes against rice weevil, <i>Sitophilus oryzae</i> (L.) for their reaction	Ajay Khatavkar, Sanjeev Bantewad and Milind Sonkamble	The Pharma Innovation Journal 2021; NAAS: 5.23	10(9): 1978-1983
170	2021	Biology and morphometry of diamondback moth, <i>Plutella xylostella</i> on abbage Abstract	Gopika R, Sonkamble MM and Bantewad SD	The Pharma Innovation Journal NAAS: 5.23	10(10): 427-430
171	2021	Effect of irrigation and plant geometry on quality attributes and economics of pigeonpea (<i>Cajanus Cajan L. Millsp.</i>)	Waghmare Y.M. , Gokhale D.N. and Gore A.K.	The Pharma innovation journal NAAS 5.23	10(10)431-433
172	2021	Effect of sulphur and zinc on growth, yield and quality of linseed	Y.M. Waghmare, B.N. Aglave and satish Bankar	The Pharma innovation journal NAAS 5.23	10(10)434-436
173	2021	Effect of biofertilizer on growth, yield and economics of sesame	B.N. Aglave ,Y.M. Waghmare, and satish Bankar	The Pharma innovation journal NAAS 5.23	10(10)437-439
174	2021	Diallel analysis for yield and contributing traits in Sesame (<i>Sesamum indicum</i> L.)	Sanjay Rathod, Maharudra Ghodke, Shivaji Mehetre and Hirakant Kalpande.	The Pharma Innovation Journal NAAS Rating: 5.23	10(8): 34-38
175	2021	Heterosis and <i>Per se</i> performance studies in sesame (<i>Sesamum indicum</i> L.)	S. T. Rathod ¹ , M. K. Ghodke, H. V. Kalpande and S. P. Mehetre	Electronic J of Plant Breeding, NAAS 5.14	12 (3) : 885–894
176	2021	Constraints faced by vegetable growers in adoption of vegetable production practices.	V.S. Tekale, M.C.Bhagat and V.V. Tayde	The Pharma Innovation Journal NAAS 5.23	Vol.10, Issue 12 : 3176-3177
177	2021	Assessment of Quality Parameters and Sensory Evaluation of Soy Flour prepared from Roasted Soybean	S.B.Jadhav, M.M. Nirval	The Pharma Innovation Journal NAAS 5.23	Vol.10(8):1562-1565

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178	2021	Evaluation of Proximate Composition of Soy Flour Samples Prepared from Different Methods	S.B.Jadhav, M.M. Nirval	The Pharma Innovation Journal NAAS 5.23	Vol.10(8):1574-1576
College of Agriculture Osmanbad					
179	2021	Inheritance of some morphological characters in chickpea (<i>Cicer arietinum</i> L.)	V. L. Rathod , V. N. Toprope, R. G. Tathe, A. R. Talape and S. S. Gavade	Electronic Journal of Plant Breeding NAAS : 5.14	Vol 12(4)
180	2021	Effect of plant growth regulators on growth of grape rootstocks.	J.M. Shriram, R.A. Patil, T.S. Ghangale, N. Sumitha, B.N. Ralebhat and P.A. Kate.	International Journal of Current Microbiology and Applied Science NAAS:5.38	Vol. 10 (2): pp 728-737
181	2021	Effect of plant growth regulators on rooting parameters of grape rootstocks.	J.M. Shriram, R.A. Patil, B.N. Ralebhat, N. Sumitha, T.S. Ghangale and S.B. Shinde.	International Journal of Current Microbiology and Applied Science NAAS:5.38	Vol. 10 (2): pp 738-745
182	2021	Effect of different sources of organic fertilizers on nutrient status of soil and incidence of diseases and pests of sweet pepper (<i>Capsicum annum</i> L.) under protected condition	Ralebhat BN, RA Patil, TS ghangale, MR Kharade and SD Navsupe	The Pharma Innovation NAAS: 5.23	Vol. 10(11): pp 975-978
183	2021	Effect of IBA and cutting thickness on growth attributes of grape rootstocks (<i>Vitisvinifera</i> L.)	Ghangale TS, Patil RA, Ralebhat BN, Patil OB and Hinge AM	The Pharma Innovation NAAS: 5.23	Vol. 10(12): pp 58-66
184	2021	Knowledge Gained by Students of Commercial Vegetable Production (ELP) Module.	R.A.Patil,K.S.Thorat ,N.Sumitha, J.M.Deshmukh and J.M.Shriram.	International Journal of Current Microbiology and Applied Science NAAS:5.38	Vol. 10(02): pp 995-1002
185	2021	Adoption of Integrated Pest Management for Controlling Pink Bollworm by Bt Cotton Growers.	K.S.Thorat, J.M.Deshmukh and B.Y.Ghughe.	International Journal of Current Microbiology and Applied Science	Vol. 10(02): pp1904-1907 NAAS:5.38

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186	2021	Awareness of Farmers about Schemes for Doubling Farm Income.	K.S.Thorat,S.R.Gaikwad,J.M.DeshmukhandV.B.Samrit	International Journal of Current Microbiology and Applied Science NAAS:5.38	Vol. 10(02): pp 1137-1143
187	2021	Knowledge Gained by Students of Commercial Vegetable Production (ELP) Module.	K.S.Thorat, R.A.Patil, N.Sumitha, J.M.Deshmukh and J.M.Shriram.	International Journal of Current Microbiology and Applied Science NAAS:5.38	Vol. 10(02): pp 995-1002
College of Agriculture Latur					
188	2021	Hybrid vigor studies over standard check for yield and quality components in bottle gourd [<i>Lagenaria siceraria</i> (Mol.) Standl.]	VR Dhakne, VS Jagtap, SS Chavan, UD Pansare and AS Bade	<i>The Pharma Innovation Journal</i> NAAS 5.23	10(12) : 2608-2612
189	2021	Studies on heterosis for yield and quality components in bottle gourd [<i>Lagenaria siceraria</i> (Mol.) Standl.]	VR Dhakne, VS Jagtap, SS Chavan, UD Pansare and PR Sargar	<i>The Pharma Innovation Journal</i> NAAS 5.23	10(12): 2622-2626
190	2021	Effect of Nitrogen and Phosphorus on growth, yield and quality of lettuce (<i>Lactuca sativa</i>)	Kharade M R, V. S. Jagtap, S D Navsupe, B N Ralebhat and D R Veer	<i>The Pharma Innovation Journal</i> NAAS 5.23	10(10): 746-748
191	2021	Effect of sources and levels of sulphur on growth and yield of garlic (<i>Allium sativum</i> L.)	D R Veer , V. S. Jagtap, Wankhede S S Kharade M R and Chavan S S	<i>The Pharma Innovation Journal</i> NAAS 5.23	10(10): 754-757
192	2021	Heterosis studies in okra [<i>Abelmoschus esculentus</i> (L)]	Chavan S S, VS Jagtap, VR Dhakne, D R Veer and PR Sargar	<i>The Pharma Innovation Journal</i> NAAS 5.23	10(10): 749-753
193	2021	Effect of raw turmeric extract on shelf life of paneer prepared from blends of raw turmeric extract and buffalo milk	SP Khobragade, PV Padghan and AP Deshmukh	<i>Journal of Pharmacognosy and Phytochemistry</i> NAAS 5.21	Sp 10(1): 146-148

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194	2021	Textural properties of paneer prepared from blends of raw turmeric extract and buffalo milk	SP Khobragade, PV Padghan and AP Deshmukh	<i>Journal of Pharmacognosy and Phytochemistry</i> NAAS 5.21	Sp 10(1): 149-152
195	2021	Bacterial count of paneer prepared from blend's of raw turmeric extract and buffalo milk	SP Khobragade, PV Padghan and AP Deshmukh	<i>The Pharma Innovation Journal</i> NAAS 5.03	SP-10(1): 146-148
196	2021	Goat marketing in Satara district	Jadhav S.B., A.T. Shinde and Deshmukh M.S.	<i>The Pharma Innovation Journal</i> NAAS 5.03	SP-11(1):68-74.
197	2021	Socio-economic status of goat sellers and purchasers in Satara District	Jadhav S.B., A.T. Shinde and Deshmukh M.S.	<i>The Pharma Innovation Journal</i> NAAS 5.03	SP-11(1):20-24.
198	2021	Goat marketing constraints and its suggestions in Satara district	Jadhav S.B., A.T. Shinde and More N.M.	<i>The Pharma Innovation Journal</i> NAAS 5.03	SP-11(1):12-14
199	2021	Relational Analysis of Profile of Bt Cotton Growers with their Adoption of Integrated Pest Management for Controlling Pink Bollworm	J.M. Deshmukh and B. Y. Ghuge	<i>Current Journal of Applied Science and Technology</i> , NAAS 5.32	40 (4) : 68-70
200	2021	Adoption of Integrated Pest Management for Controlling Pink Bollworm by Bt Cotton Growers	J.M. Deshmukh, B.Y. Ghuge and K.S. Thorat	<i>International Journal of Current Micro-biology and Applied Sciences</i> , NAAS 5.38	10(2) :01-05
201	2021	Awareness of Farmers about Schemes for Doubling Farm Income	S. R. Gaikwad, K. S. Thorat, J.M. Deshmukh and V. B. Samrit	<i>International Journal of Current Micro-biology and Applied Sciences</i> , NAAS 5.38	10(2) :20-30
202	2021	Training needs of self help group members about value added products in Latur district of Marathwada region	Ghule KM, D.D. Suradkar and J.M. Deshmukh	<i>The Pharma Innovation</i> , NAAS 5.23	10(11) : 953-955

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203	2021	<i>In vitro</i> Bioefficacy of the bioagents against <i>Alternariasolani</i> and <i>Colletotrichumcapsici</i> , causing tomato Post Harvest Fruit Rot	Biradar P.D., Suryawanshi A.P., and Patait N. N.	<i>The Pharma Innovation</i> NAAS 5.23	10 (12):1773-1776.
204	2021	<i>In vitro</i> bioefficacy of the Phytoextracts against <i>Alternariasolani</i> and <i>Colletotrichumcapsici</i> , causing tomato post harvest fruit rots	Biradar P.D., Suryawanshi A. P., and Patait N N.	<i>The Pharma Innovation</i> NAAS 5.23	10 (12) : 1784-1787
205	2021	<i>In vitro</i> bioefficacy of the essential oils against <i>Alternariasolani</i> and <i>Colletotrichumcapsici</i> , causing tomato post harvest fruit rots	Biradar P.D., Suryawanshi A. P., and Giri V V	<i>The Pharma Innovation</i> NAAS 5.23	10 (12) : 1671-1674
206	2021	Efficacy of fungicides against <i>Phyllostictazingiberi</i> , causing <i>Phyllosticta</i> leaf spot of ginger in <i>In vitro</i> conditions	Patait N.N., Suryawanshi A. P., P D Biradar and V R Wadhawe	<i>The Pharma Innovation</i> NAAS 5.23	10 (12) : 1788-1792
207	2021	Bioefficacy of bioagents and phytoextracts against <i>Phyllostictazingiberi</i> , causing <i>Phyllosticta</i> leaf spot of ginger ginger in <i>In vitro</i> conditions	Patait N. N., Suryawanshi A. P., PD Biradar , V R Wadhawe and MR kharade	<i>The Pharma Innovation</i> NAAS 5.23	10 (12) : 1671-1674
208	2021	Correlation studies of ground water quality of Manjara river basin from Latur district	Goswami, H. G., Takankhar, V. G., Raja Ashish and Kadam, D. M.	<i>The Pharma Innovation</i> NAAS 5.23	10 (12) (2021)
209	2021	Bio-efficacy, persistence and residual toxicity of different insecticides against jassid <i>Empoasca kerri</i> (Pruthi) infesting soybean	V.K. Bhamare, G.R. Wahekar, D.R. Bankar, P.B. Hajare, R.S. Mahajan, B.A. Thakre and A.S. More	<i>Journal of Pharmacognosy and Phytochemistry</i> NAAS 5.21	10(1): 340-345

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210	2021	Bio-efficacy, Persistence and Residual Toxicity of Different Insecticides against Soybean Leaf Miner <i>Aproaerema modicella</i> (Deventer) Infesting Soybean	V.K. Bhamare, G.R. Wahekar, D.R. Bankar, B.A. Thakre, P.B. Hajare, R.S. Mahajan and A.S. More	<i>International Journal of Current Microbiology and Applied Sciences</i> , NAAS 5.38	10(01): xx-xx
211	2021	Study of genetic variation on basis of feeding behaviour of Bollworm (<i>Helicoverpa armigera</i>) attribute molecular marker	PE Pakhare, Bharose AA, DG More and Thanu J Prabha	<i>The Pharma Innovation Journal</i> NAAS 5. 23	SP-10(6):303-309
212	2021	Determine the economic threshold level for <i>Helicoverpa armigera</i> Hubner infesting sunflower	Gore SH, More DG, Bhokse DV and Fand DN	<i>The Pharma Innovation Journal</i> NAAS 5. 23	SP-10(12):1577-1579
213	2021	Efficacy of insecticides against soybean girdle beetle <i>Obereopsis brevis</i>	SC Bokan, PR Zanwar and DG More	<i>Indian Journal of Entomology (Online published)</i> NAAS 5.05	10
214	2021	Population dynamics of soybean girdle beetle <i>Obereopsis brevis</i> Swedenboard	SC Bokan, PR Zanwar and DG More	<i>Indian Journal of Entomology (Online published)</i> NAAS 5.05	10
215	2021	Inheritance of some morphological characters in chickpea (<i>Cicer arietinum</i> L.)	V. L. Rathod , V. N. Toprope, R. G. Tathe, A. R. Talape and S. S. Gavade	<i>Electronic Journal of Plant Breeding</i> NAAS 5.14	12(4)
216	2021	Effect of INM on growth and yield of linseed	Hemraj Kumawat, A.S.Karle and co authors	<i>The Pharma Innovation Journal</i> NAAS 5.23	10 (12): 2527-2530
217	2021	Effect of soil and foliar application of zinc sulphate and ferrous sulphate on growth and yield of Sunflower (<i>Helianthus annus</i> L.)	R.S. Gawande, P.N. Karanjikar, P.S. Waghmare, A. P. Kokate and D.S. Sawant	<i>The Pharma Innovation</i> , NAAS 5.23	11(1) : 1349-1352
218	2021	Effect of production constraints on seed yield and economics of chickpea (<i>Cicer arietinum</i> L.)	P.G. Chavan, Mamta J. Patange, V.B. Patole and P.N. Karanjikar	<i>The Pharma Innovation</i> , NAAS 5.23	11(2) : 1526-1529
219	2021	Screening of chickpea varieties against collar rot disease caused by <i>S. rolfsii</i>	A.S. Rothe, V.G. Mulekar and Sunita J. Magar	<i>The Pharma Innovation</i> NAAS 5.23	11(3): 307-309.

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220	2021	Screening of chrysanthemum varieties/hybrids against <i>Alternaria alternata</i> , causing leaf blight of chrysanthemum	Sunita J. Magar, Banne S.N., V.G. Mulekar, S.D. Somwanshi and Shruti S. Kadam	<i>The Pharma Innovation</i> NAAS 5.23	11(3): 2298-2300.
221	2021	Evaluation of different genotypes, varieties and hybrids against <i>Sesamum phyllody</i> disease.	Sunita J. Magar, Markad H.N and S.D. Somwanshi	<i>The Pharma Innovation</i> NAAS 5.23	11(3): 2187-2189.
College of Agriculture Badnapur					
222	2021	Studies on sensory evaluation of flavoured milk prepared by using gulkand	Mehetre Suhas, Andhare Balasaheb and Deshmukh Akshay	The Pharma Innovation NAAS 5.3	10(8):1114-1117.
223	2021	Effect of gulkand on physic chemical properties of the flavoured milk prepared by using gulkand.	Mehetre Suhas, Andhare Balasaheb and Deshmukh Akshay	The Pharma Innovation, NAAS 5.3	10(8):1102-1105.
224	2021	Impact of project on climate resilient agriculture Authors:	S.S. Kharatmal, N.D. Deshmukh and D.D. Suradkar	The Pharma Innovation, NAAS 5.3	
225	2021	Population dynamics of <i>Eariasvitelli</i> and <i>Helicoverpa armigera</i> ofokra	Sonawane S.T, Patil B.V, Suradkar A.L and Shelar D.R.	Journal of Entomology and Zoology Studies NAAS 5.53	
226	2021	Population dynamics of sucking insect pests ofokra.	Sonawane S.T, Patil B.V, Suradkar A.L and Shelar D.R	Journal of Applied Zoological Research NAAS 5.53	
227	2021	Interactive effect of zinc and pigeon pea cultivars on yield, nutrient uptake and quality of produce in inceptisol. J. Soils and Crops.	Mane, S.S.; Jadhav, K.T. and Sonwane V.V	<i>J. Curr. Microbiol. App.</i> NAAS 5.38	<i>Sci</i> (2018) 7(2): xx-xx
228	2021	Protein and starch content in maize (<i>Zea Mays</i> L.) as influenced by herbicidal weed management	Karde R. Y.P. G. Chavan and S. R. Kadhavane	<i>J. of Pharmac. and phytochem.</i> ISSN : 2349-8234 NAAS 5.38	10(3):207-209

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College of Agriculture Badnapur					
230	2021	Production potential of pigeon pea based intercropping systems under various land configurations in Marathwada region of Maharashtra.	H. S. Garud, B V Asewar, and A. A. Chavan, D. N. Gokhale, W. N. Narkhede	Legume Research- An International journal, NAAS - 6.66	44(8) 947-951
231	2021	Takulawise study of rainfall pattern in Nanded district of Marathwada region (Maharashtra) using Rainfall data.	Ramesh Bethala, B.V.Asewar, M.S, Pendke, K.K. Dakhore, M.G. Jadhav and A.MKhorbragade	Int. journal of current microbiology and Applied sciences.. NAAS -5.31	10(9) 1151-1157
232	2021	Effect of Heat Units on growth and yield of Groundnut varieties under different planting methods in summer season.	S.S. Khade, B.V.Asewar, B.R.Bobade and Lalita Verma	Int. journal of current microbiology and Applied sciences. NAAS 5.31	10 (2) 1271-1277.
233	2021	Effect of tillage and land configuration practices on growth and yield of rainfed soybean (<i>Glycine max (L.) Merrill</i>)	S. Y. Dhale, A. K, Gore, B. V. Asewar and S. A. Jawale	Journal of Pharmacognosy and Phytochemistry NAAS - 5.1	10 (1):1245-1248
VDCOA Biotech Latur					
234	2021	Molecular characterization of cotton (<i>Gossypium hirsutum L.</i>) Genotypes using SSR markers for Fiber Quality Traits	D.K. Sarode, K.M. Sharma, N.A. Shinde, A.R. Gaikwad, R.L. Chavhan and P.A. Pimpale.	Int. J. Curr. Microbio. App. Sci. (NAAS Rating: 5.38).	10(03): 1748-1759
235	2021	Engineering Resistance against Viruses in Field Crops Using CRISPRCas9.	Hinge V.R., Chavhan R.L., Kale S.P. Suprasanna and Kadam U.S.	Current Genomics, (NAAS Rating: 8.69).	214-231.
236	2021	Evolution of biotypes within race 18 population of <i>Xanthomonas citri</i> subsp. <i>malvacearum</i> and their predominance in Indian cotton belts	R.L. Chavhan, K.K. Mondal, S.M. Karuppayil and P.K. Chakrabarty	Physiological and Molecular Plant Pathology (NAAS Rating: 8.75).	116: 1017-21

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237	2021	<i>In vitro</i> haploid production in sunflower genotypes and homozygosity assessment using microsatellite marker.	Patil N.D and Bhalerao S.R.	Research Journal of Biotechnology. (NAAS Rating 5.00)	16(6):148-154.
238	2021	Molecular Characterization of <i>Fusarium oxysporum</i> Causing Chickpea Wilt by Internal Transcribed Spacer (ITS) Marker.	Jadhav, B., Bhalerao, S.R. and George, P.	Legume Research. (NAAS Rating 6.53)	44(7): 842-848.
239	2021	Assessment of Hybrid Purity in Maize (<i>Zea mays</i> L.) Using RAPD and SSR Markers.	N A Shinde, A A Bharose, D K Sarode, R S Swathi, P A Pimpale and S S Shinde	The Pharma Innovation Journal (NAAS Rating: 5.23)	10(4) Pp 870-874
240	2021	Study of genetic variation on basis of feeding behavior of Bollworm (<i>Helicoverpa armigera</i>) attribute molecular marker.	P E Pakhare, Bharose A A, D G More and Thanu J Prabha	The Pharma Innovation Journal (NAAS Rating: 5.23)	10(6) Pp 303-309
241	2021	Partial Sequencing of Putative Trypsin cDNAs in Cry1Ac Susceptible and Resistant Strains of <i>Helicoverpa armigera</i> (Hubner)	K. M. Sharma, A. A. Bharose and R. N. Dhawale	International Journal of Current Microbiology and Applied Science (NAAS Rating: 5.32)	10(05): 79-85
242	2021	Optimization, regeneration and comparison of mature embryo with immature embryos of sunflower elite cultivars	RN Dhawale, MD Mahalle, KM Sharma and AA Bharose	The Pharma Innovation Journal (NAAS Rating: 5.23)	10(8) Pp 691-702
243	2021	Admixture of Isubgol Husk together with agar as gelling agent for sugarcane callus induction	Dhawale RN, Patwari LV, Sharma KM and Bharose AA	The Pharma Innovation Journal (NAAS Rating: 5.23)	10(8) Pp 675-680
244	2021	Identification of lactobacilli at genus level by using PCR	Karnewar S.D., Dhawale R.N., Sharma K.M., Dudhare M.S. and Batish V.K.	The Pharma Innovation Journal; (NAAS Rating: 5.23)	10(8): 634-635
245	2021	Assessment of genetic diversity in an elite set of restorer lines of <i>Helianthus annuus</i> L using PCR-based method	R.N. Dhawale, M.D. Mahalle, K.M. Sharma and S.D. Karnewar	The Pharma Innovation Journal; (NAAS Rating: 5.23)	10(8): 629-633

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246	2021	Engineering resistance against viruses in field crops using CRISPR-Cas9	Hinge, V. R., Chavhan, R. L., Kale, S. P., Suprasanna, P., and Kadam, U. S.	Current Genomics (NAAS Rating: 8.24)	Vol 22(3), 214
247	2021	Genetic Variability Studies for Yield and Yield Contributing Traits in Rabi sorghum (<i>Sorghum bicolor</i> L. Moench) in Relation to Drought Tolerance	Kesoju Ravali J. E. Jahagirdar Chetana Singin a, Sheetal Tirkey and Smita Deshmukh	International Journal of Environment and Climate Chang (NAAS Rating: 5.55)	11(12) 130-37
248	2021	Correlation and path analysis in relation to drought tolerance in rabi sorghum (<i>Sorghum bicolor</i> L. Moench)	Kesoju Ravali, JE Jahagirdar and RR Dhutmal	The Pharma Innovation Journal (NAAS Rating: 5.48)	10(6) 318-21
249	2021	Correlation and path analysis study between yield and yield components in colored pericarp sorghum (<i>Sorghum bicolor</i> (L.) Moench)	SS Deshmukh, RR Dhutmal, JE Jahagirdar	The Pharma Innovation Journal (NAAS Rating: 5.48)	10(10) 151-55
250	2021	Genetic variability studies for morpho-physiological traits in relation to drought tolerance in rabi sorghum	Kesoju Ravali, JE Jahagirdar and RR Dhutmal	The Pharma Innovation Journal (NAAS Rating: 5.48)	10(6): 313-317
251	2021	Character association studies for Morpho-physiological parameters in soybean (<i>Glycine max</i> (L.) Merrill)	VR Ghuge, SP Mehtre, JE Jahagirdar, VD Salunke and RR Dhutmal	The Pharma Innovation Journal (NAAS Rating: 5.48)	10(6): 333-337
252	2021	Correlation and path analysis in relation to drought tolerance in rabi sorghum	Kesoju Ravali, JE Jahagirdar and RR Dhutmal	The Pharma Innovation Journal (NAAS Rating: 5.48)	10(6): 318-321
253	2021	Correlation and path analysis study between yield and yield components in colored pericarp sorghum	SS Deshmukh, RR Dhutmal, JE Jahagirdar and AV Shinde	The Pharma Innovation Journal (NAAS Rating: 5.48)	10(10): 151-155
254	2021	Diversity analysis for yield and yield contributing traits for drought tolerance in rabi sorghum (<i>Sorghum bicolor</i> L. Moench)	Kesoju Ravali, JE Jahagirdar, RR Dhutmal, MP Wankhade and SV Kalyanka	The Pharma Innovation Journal (NAAS Rating: 5.48)	10(6): 151-154

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College of Community Science, Parbhani					
255	2021	Recreational Play Activities of Children and Their Opinions About It.	Bangale J.R. and Swami P. B.	Multilogic In Science, An International Referred, Peer Reviewed and Indexed Quarterly J. for Applied Science NAAS 5.20	Vol.10 (36) pp. 1525-1531
256	2021	Screen Based Recreational Activities of School Going Children and Their Views About Them.	Swami, P.B. and Bangale J.R.	Int.J.of current Microbiology and Applied Sciences. NAAS-5.38	Vol. 10 (03): pp.224-232
257	2021	Maternal employment status and influence of parenting practices on children	Bhalerao V.S and Ujagare P N	Int.J.of current Microbiology and Applied Sciences. NAAS-5.38	Vol.10 (8)
258	2021	The Involment of Grandparents in Bringing up Grandchildren and their views About It	Bangale J and Patil S.	Int.J.of current Microbiology and Applied Sciences. NAAS-5.38	Vol.10(12)
259	2021	Child Care practices adopted by the urban and rural families and health problems encountered by the young children,	Bhalerao V.S. and Chause N.	Int.J.of current Microbiology and Applied Sciences. NAAS-5.38	Vol.10(8)
260	2021	Impact Analysis of Developed Information Package for Consumers.	Bhalerao V. and Kulkarni M.	Int.J.of current Microbiology and Applied Sciences. NAAS-5.38	Vol.10(02)
261	2021	Study on Tasks Performance and Perceived Exertion of Carpenters	Madhuri Kulkarni and Priyanka Khakre	Multilogic in science, NAAS: 5.2	X (XXXVI) pp :1484-1486
262	2021	Assessment of Physiological Cost of Selected Carpentry Tasks	Madhuri Kulkarni and Priyanka Khakre	International journal current microbiology and app. Science, NAAS: 5.38	X (I) : xx-xx

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263	2021	Impact of RAWE programme on Awareness and Adoption Level of Rural Homemakers About Selected Manegerial Practices'	Madhuri Kulkarni and Jaysree Zend	International journal current microbiology and app. Science, NAAS: 5.38	X (II): xx-xx
264	2021	Impact Analysis of Developed International Package for Consumer	Madhuri Kulkarni and Veena Bhalerao	International journal current microbiology and app. Science, NAAS: 5.38	X (II) : xx-xx
265	2021	Effect of Designed Protective Clothing on Physiological Workload of Pesticide Application Activity	Madhuri Kulkarni, Jayshree Suryatal and Sunita Kale	International journal current microbiology and app. Science, NAAS: 5.38	X (IV): XX-XX
266	2021	Impact Analysis of Developed Managerial Intervention Package	Madhuri Kulkarni, Jayshree Rodge and Manjusha Revanwar	International journal current microbiology and app. Science, NAAS: 5.38	X (VI): XXXX
267	2021	Information Sicking Behavior of Selected Women Entreprenurs of Parbhani City	Jayshree Rodge and Maya Jadhav	International journal current microbiology and app. Science, NAAS: 5.38	X (VII) pp : 124-129.
268	2021	Noise Level at Different Workplaces of Selected Oil Industries	Jayshree Rodge and Bhagyashree Sangle	International journal current microbiology and app. Science, NAAS: 5.38,	X (VII) pp : 130-136.
269	2021	Effect of designed protective clothing on physiological workload of pesticide application activity,	Madhuri Kulkarni, Jayshree Suryatal and Sunita Kale	International Journal of Current Microbiology and Applied Science, NAAS– 5.38	Vol. 10 Number 4
College of agricultural Engineering and Techonology Parbhani					
270	2021	Design and development of tractor drawn inter-cultivator cum sprayer for Soybean and Cotton	A.M.Kolhe, S. N. Solanki, A.A.Waghmare andR.T.Ramteke.	<i>International Journal of Current Microbiology and Applied Sciences</i> NAAS 5.38	Vol.10 (02)

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271	2021	Quantitative Morphometric Analysis using RS and GIS techniques in VNMKV-Pingali Watershed of Pingalgarh Nala Catchment, Parbhani District, Maharashtra, India	A. B. Phupate, V. K. Ingle, H. W. Awari, U. M. Khodke, S. B. Jadhav, M. S. Pendke	International Journal of Curr. Microbiology and applied sciences NAAS 5.38	Volume 10(12): 258-26
College of Food Technology Parbhani					
272	2021	Effect of pretreatments on nutritional composition of sorghum, green gram and ragi	A.B.Shingote, S.K.Sadawarte, K.K.Gaikwad, D.B.Gajmal And V.S.Pawar	Biological Forum– An International Journal NAAS:5.11	13(1)
273	2021	Studies on chemical and mineral evaluation of raw rice, sorghum, ragi and greengram.	Shingote A.B., Sadawarte S.K., Pawar V.S. and Gaikwad K.K.	The pharma Innovation Journal NAAS:5.21	10(5)
274	2021	The potential of production of meat Analogue by using Indian legumes–A Review	A.Poshadri and V.S.Pawar	Biological Forum-An International Journal NAAS:5.11	13(2)
275	2021	Studies physic-chemical Properties of quinoa (<i>Chenopodium quinoa Willd.</i>) seed	Gaikwad K.K., Pawar V.S. Shingote A.B., and Shinde E.M.	The pharma Innovation Journal NAAS:5.21	10(6)
276	2021	The potential of production of meat analogue by using Indian legumes– A Review	A.Poshadri and V.S.Pawar	Biological Forum-An International Journal NAAS:5.11	13(2)
277	2021	Novel technique: Hermetic storage and its application	Shendge S N, Pawar V S and Kale P R	The pharma Innovation Journal NAAS:5.21	10(8)
278	2021	Physicochemical properties of several sorghum cultivars	Gajmal D B, Shinde E M and Pawar V S	The pharma Innovation Journal NAAS:5.23	10(5)
279	2021	Effect of particle size based sorghum flour of physicochemical properties on sensory characteristics of roti prepared from Parbhani Moti and Parbhani SuperMoti	Gajmal D B, Pawar V S, Shinde E M and Shingote A B	The pharma Innovation Journal NAAS:5.23	10(7)

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280	2021	Health benefits of soybean and Soybean based food products:A study	Kamble R E, Pawar V S and Veer S J	The pharma Innovation Journal NAAS:5.23	10(8)
281	2021	Production status, Nutritional AspectsandHealthBenefitsofMillets -AReview.	Sangram S.Wandhekar, S.K. Sadawarte, V.S. Pawar and Akshay M.Swami	JETIR NAAS:5.23	8(4)
282	2021	Effect of pretreatments on nutritional Composition of sorghum,green gram and ragi.	A.B.Shingote, S.K.Sadawarte, K.K.Gaikwad, D.B.Gajmal and V.S.Pawar	Biological Forum– An International Journal NAAS:5.11	8(4)
283	2021	Studies on chemical and mineral Evaluation of raw rice, sorghum, ragi and green gram.	Shingote A.B., Sadawarte S.K., Pawar V.S.and Gaikwad K.K.	The pharma Innovation Journal NAAS:5.23	10(5)
284	2021	Studies physico-chemical properties of quinoa (<i>Chenopodium quinoa Willd.</i>)seed	Gaikwad K.K.,Pawar V.S. Shingote A.B.,and Shinde, E. M	The pharma Innovation Journal NAAS:5.23	10(6)
285	2021	Hermetic storage and its application	Shendge S N, Pawar V S and Kale P R	The pharma Innovation Journal NAAS:5.23	10(8)
286	2021	Physicochemical properties of several sorghum cultivars.	Gajmal D B ,Shinde E M and Pawar V S	The pharma Innovation Journal NAAS:5.23	10(5)
287	2021	Health benefits of soybean and Soybean based food products: A study	Kamble R E, Pawar V S and Veer S J	The pharma Innovation Journal NAAS:5.23	10(8)
288	2021	Effect of addition of quinoa flour on cooking and sensorial qualities of Noodles.	Gaikwad K.K., Pawar V.S., Pawar G.S. and Shingote A.B	Biological Forum– An International Journal NAAS:5.11	13(2)
289	2021	Recent advances in storedgra in pest management: A review	Kale P R, Pawar V S and Shendge S N	The pharma Innovation Journal NAAS:5.23	10(8)
290	2021	Antinutritional factors in foods	Veer S J, Pawar V S and Kambale R E	The pharma Innovation Journal NAAS:5.23	10(7)
291	2021	The effect of flour particle size distribution on sorghumg luten- free flatbread quality (Roti).	Gajmal D B, Dr.Pawar V S, Shinde E M and Shingote A B	JournalofCurrentResearch in FoodScience NAAS:5.1	2(2)

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292	2021	Health and immunity enhancing properties of barnyard millet and its use in the food industry: A study	Shinde EM, Pawar VS, Rode S, Mand Gajmal DB	Journal of Current Research in Food Science NAAS:5.1	2(2)
293	2021	Storage stability of Jamun fruit bar with respect to different temperature and packaging material.	Nitin Suradkar, Vijaya Pawar, Hemant Deshpande, Vijay Mane, Jayashri Ughade and Anil Ghorband	The Pharma Innovation Journal NAAS:5.23	10(12)
294	2021	Studies on physicochemical properties of wheat, finger millet and guar gum	Swami AM, Sadawarte S K, Patil B M, Sawate A R and Wandhekar S S	The Pharma Innovation Journal NAAS:5.23	10(5)
295	2021	Technology development for preparation of frozen dessert (Kulfi) with incorporation of partially hydrolyzed guar gum (PHGG)	Bachate A H, Kshirsagar R B, Agarkar B S and Bhargavan	The Pharma Innovation Journal NAAS:5.23	10(3)
296	2021	Studies on the effect of addition of partially hydrolyzed guar gum (PHGG) on quality of frozen dessert (Kulfi)	Bachate AH, Kshirsagar R B, Patil B M and Bhargavan andha K S	The Pharma Innovation Journal NAAS:5.23	10(8)
297	2021	Studies on Preparation of Finger Millet Vermicelli and effect of Guar Gum on Chemical and Sensory Characteristics	A.M.Swami, S.K. Sadawarte, B.M.Patil, A.R Sawate., R.B.Kshirsagar and S.S.Wandhekar	Biological Forum—An International Journal NAAS:5.11	13(1)
298	2021	Development and Quality Evaluation of Mixed Fruit Bar Fortified with Whey Protein Concentrate	R.N.Shaikh, B.S.Agarkar, B.M.Patil and R.B.Kshirsagar	Biological Forum An International Journal NAAS:5.11	13(2)
299	2021	Physico-chemical evaluation of selected ingredients for preparation of instant appemix,	Wandhekar S. S., Patil B.M., Sadawarte S.K., Sawate A.R. and Swami.A.M.	The Pharma Innovation Journal NAAS:5.23	10(5)

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300	2021	Development and Process Standardization of Millet Based Instant Appe Mix and its Quality Evaluation	Wandhekar S. S., Patil B.M., SadawarteS.K., Sawate A.R., Kshirsagar R.B.and Swami A. M.	Biological Forum- An International Journal NAAS: 5.11	13(1)
301	2021	Effect of addition of partially hydrolyzed guar gum on the quality attributes of tomato soup powder	Bhargavanandha KS, Kshirsagar R B, Patil B M and Bachate A H	The pharma Innovation Journal NAAS:5.23	10(9)
302	2021	Technology development With incorporation of Partially Hydrolyzed GuarGum	Bhargavanandha K S ,Kshirsagar R B , Agarkar B S and Bachate A H	Biological Forum- An International Journal NAAS: 5.11	13(3a)
303	2021	Studies on physico chemical properties of cereals (Rice, sorghum, finger millet, amaranth) and Pulses (Greengram, black gram and chickpea)	Bhosale,S.S, Agarkar B S, Kshirsagar,R.B. and Patil B M	The pharma Innovation Journal NAAS:5.23	10(4)
304	2021	Studies on technology for preparation and quality evaluation of multigrain extruded product chakli	Bhosale,S.S, Agarkar B.S., Kshirsagar R.B and Patil,B.M.	The pharma Innovation Journal NAAS:5.23	10(7)
305	2021	Studies on technology development, organoleptice valuation and proximate composition of instant sorghum Tortilla mix	Alane, S.T. Gadhe,K S Pandit M G and Bawachkar R R	Biological Forum- An International Journal NAAS: 5.11	13(2)
306	2021	Sensory and physicochemical properties of gluten free pearl millet crackers fortified with Sorghum and soybean flour	Pandit, M. G.Gadhe K S and Alane S T	The pharma Innovation Journal NAAS:5.23	7(4)
307	2021	Studies on physic chemical and mineral evaluation of pearlmillet, Sorghum and soybean	Pandit M G, Gadhe, K.S. and Alane S T	The pharma Innovation Journal NAAS:5.23	10(7)

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308	2021	Nutritional enhancement of crackers by incorporation of guar meal protein isolate	R.B.Kshirsagar, B.A.Jadhav and P.P.Thakur	The Pharma Innovation Journal NAAS:5.23	10(9)
309	2021	Studies on impact of comparative quality evaluation of sun and cabin tonchemical quality characteristics of bittergourd.	Machewad GM, Sawate A R, Zubair S, Kshirsagar R B, Deshpande H W	International Journal of chemical Studies NAAS:5.31	9 (2)
310	2021	Studies on fatty acid profile, physicochemical properties and phyto esterol contents of bittergourd seed oil	Machewad GM, Sawate A R, Zubair S, Kshirsagar R B, Deshpande H W	The Pharma Innovation Journal NAAS:5.23	10(3)
311	2021	Studies on process standardization of milkshake by using acid modified Psyllium husk.	Hemanth M, Deshpande H.W., Katke S.D., Machewad G.M and Gangakhedkar P.S	The Pharma Innovation Journal NAAS:5.23	10(7)
312	2021	Studies on physico-chemical characteristics of bittergourd powder.	Gangakhedkar P.S, Machewad G.M., Deshpande H.W., Katke S. and Hemanth M.	The Pharma Innovation Journal NAAS:5.23	10(8)
313	2021	Studies on physico-chemical characteristics and texture analysis of bread with incorporation of bittergourd powder	Gangakhedkar P.S, Machewad G.M., Deshpande H.W., Katke S. and Hemanth M.	The Pharma Innovation Journal NAAS:5.23	10(8)
314	2021	Studies on effect of different drying techniques on proximate and mineral composition of dried Jackfruit seed powder	Mohammad Nisar, R B Kshirsagar, B M Patil, AR Sawate and B.S. Agarkar	The Pharma Innovation Journal NAAS:5.23	10(9):1625-1630
315	2021	Studies on impact of different drying techniques on phyto-chemical and antioxidant properties of jack fruit seed powder	Mohammad Nisar, Syed Zubair, SK Sadawarte, AR Sawate and R B Kshirsagar	The Pharma Innovation Journal NAAS:5.23	10(4):57-60

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316	2021	Profile of farmers Regarding knowledge and use of Biomix	G.S. Borase, M.V.Kulkarni and S.P.Dhoke	<i>Int.J.of Curr. microbiology and Applied Science</i> NAAS 5.38	Vol.10 November 02
EXTN AGRON. AJOGAI					
317	2021	Resource constraints analysis in linseed (<i>Linum usitatissimum</i> L.)	Sawant Dipa, VP Suryavanshi, Kokate Arpita, Waghmare Priya and Gawande Rasika	<i>The Pharma Innovation Journal</i> (NAAS: 5.23)	10(12): 2062-2064
KVK KHAMGAON					
318	2021	Production potential of pigeonpea based intercropping Systems under various land configurations in Marathwada Region of Maharashtra	H.S. Garud, B.V.Asewar, A.A.Chavan, D.N. Gokhale and W.N. Narkhede	<i>Legume Research-</i> NAAS 6.53	Volume 44 Issue 8: 947-951
319	2021	Evaluation of Organic Weed Management Practices on Growth, Yield and Weed Control Efficiency in Soybean-chickpea Sequence under Irrigated Condition	A.A.Chavan, W.N. Narkhede, and H.S. Garud	<i>Legume Research-</i> NAAS 6.53	Volume 44 Issue 8: 921-928

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Year 2022

Sr. No	Year	Title	Authors	Journal	Volume
Research Stations					
1	2022	Effect of Different Land Configuration, Super absorbent and Nutrient management on Yield and Economics of Soybean (<i>Glycinemax</i> L.) -Safflower (<i>Carthamus tinctorius</i>) Cropping System	C.K.Bhadre, W.N Narkhede M.M. Desai	<i>Legume Research</i> NAAS 6.53	First Online: 3-03-2022
2	2022	Effect of varying levels and applications of plant growth regulators on growth and yield of soybean (<i>Glycine max</i> l. Merrill)	Aniket Ambadasrao Patil A K Gore, S L Badgujar, S. P Mehtre	<i>Scientist NAAS:6.85</i>	Vol 1(3): 3450-3461
3	2022	Yield, quality, disease resistance and plant nutrition of pomegranate (<i>punica granatum</i> L.). Influenced by integrated nutrient management	Bhagyaresha R. Gajbhiye, Papita Gourkhede Tejswini R Kachave	<i>Agricultural Mechanization in Asia</i> NAAS:6.14	Vol 53,Issue 6 9099-9111
4	2022	Studies on effect of different soil types and moisture regimes on seed hydration value of various soybean varieties	Digvijay Dhama, Papita H Gourkhede, S S Shilewant	<i>Agricultural Mechanization in Asia</i> NAAS:6.14	Vol 53,Issue 6 8653-8669
5	2022	Nutrient use efficiency in terms of yield and uptake as influenced by multinutrient briquettes in BT-cotton grown on Vertisol	Kakde G C Patil VD Gourkhede PH	<i>International Journal Applied Research</i> NAAS:5.38	Vol.8 (7) 33-35
6	2022	Genetics of fertility restoration in A ₁ Cytoplasmic Genetic Male Sterility (CGMS) systems in Sorghum (<i>Sorghum bicolor</i> L. Moench)	Gopal W. Narkhede, Shivaji P. Mehtre, Niranjan R. Thakur, Krishnananda P. Ingle, Vinutha K. S., Santosh P. Deshpande	<i>Emer Life Sci Res</i> NAAS 5.41	

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7	2022	Characters association and path analysis studies in mung bean (<i>Vigna Radiata</i> (L.) Wilczek).	R.A. Jadhav, S.P. Mehtre, D.K. Patil and V.K. Gite.	<i>The Pharma Innovation Journal</i> NAAS 5.23	
8	2022	“Design and development of android based mobile application for farmers.”	Solanki S. N. , Ramteke R. T., A.C.Kakde	<i>Computer application in Engineering Education</i> NAAS:7.58	
9	2022	Effect of tillage and weed management practices on weed density and yield of Bt cotton in vertisol.	Pawar S.B, A. S. Karle , More V.R	<i>Biological Forum - An international Journal</i> (NAAS 5.11)	14 (2) : 1474-1480
10	2022	Growth and yield of Bt. Cotton as influenced by tillage and weed management practices under rainfed condition.	Pawar S.B, A. S. Karle	<i>The Pharma Innovation Journal</i> (NAAS 5.23)	11 (7) : 1075- 1079
11	2022	Integrated weed management in soybean (<i>Glycine max L.</i>)	Pawar B.V, A. S. Karle	<i>The Pharma Innovation Journal</i> (NAAS 5.23)	11 (12) : 2049-2054
12	2022	Entrepreneurial behaviour of sericulturists in parbhani district	Gadhawe AV, Puri, SG and Zade PM	<i>The Pharma Innovation Journal</i> NAAS 5.23	The Pharma Innovation Journal SP-11 (4) 1394 - 1397
13	2022	Profile characteristics of pomegranate cultivators	Jadhav RR, Puri, SG and Rajput MO	<i>The Pharma Innovation Journal</i> NAAS 5.23	The Pharma Innovation Journal 12(2): 279-282
14	2022	Relationship between profile of pomegranate cultivators and technological gap in adoption of improved pomegranate cultivation practices	Jadhav RR, Puri, SG and Rajput MO	<i>The Pharma Innovation Journal</i> NAAS 5.23	The Pharma Innovation Journal 12(2): 1061-1063
15	2022	Effect of different levels of phosphorus and sulphur on yield of cowpea(<i>Vigna Sinensis</i>) Cv. Pusa Phalguni	Abdar J.P. Dhutraaj S.V.and Gajbhiye B.R.	<i>The pharma Innovation Journal</i> NAAS 5.23	11 (12) 3573-3577

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16	2022	Effect of different levels of fertigation on quality attributes of banana (<i>Musa Paradisiaca</i> L.) Cv. Grand Naine	Raju NamdevGawde S.V.Dhutraj and Joundhle Rahul Bhimrao	<i>The pharma Innovation journal</i> NAAS 5.23	: 11 (5) 471-473
17	2022	Biology of <i>Zhygogramme bicolorata</i> Pallister on different parts of <i>Parthenium hysterophorus</i> Linn. Under laboratory conditions	SS Dhurgude,DD Patait,GS Kharat,PS Neharkar,and AG Badgujar	<i>The Pharma Innovation Journal</i> NAAS 5.23	2022;11(12):687-691
18	2022	Performance of single and double hybrids of silkworm (<i>Bombyx mori</i> L.) for biological traits on mulberry	Sangle KV, C.B. Latpate, Matre Y.B. and P.Y Ingole	<i>The Pharma Innovation Journal</i> NAAS 5.23	SP-11(2): 1306-1308
19	2022	Performance of single and double hybrids of silkworm (<i>Bombyx mori</i> L.) for biological traits on mulberry	Sangle KV, CB Latpate and YB Matre	<i>The Pharma Innovation Journal</i> NAAS 5.23	SP-11(2): 1220-1222
20	2022	Impact of spacing and nutrient management practices on growth and yield of Sweet Corn- Chickpea under sequence cropping	Pagar P.A. Pawar. S.B. Ghokale. D.N. and Patil D.K.	<i>Biological Forum and International Journal</i> NAAS 5.11	14 (2),
21	2022	Impact of varietal differences on growth and yield of Green gram cultivars	S.M. Mote, H.H.Bhadarge, A.B. Bagade, P.R. Thombre	<i>The Pharma innovation</i> NAAS 5.23	11 (12),
22	2022	Physiological analysis of pre and post harvest parameters of Green Gram cultivars	S.M. Mote, P.R. Thombre H.H.Bhadarge, A.B. Bagade,	<i>The Pharma innovation</i> NAAS 5.23	11 (12),
23	2022	Effect of spacing and nutrient management practices on growth, yield and economics of sweet corn-chickpea under sequence cropping	PA Pagar, Dr. SB Pawar, Dr. BV Asewar and Dr. DK Patil	<i>The Pharma innovation</i> NAAS 5.23	11 (7),
24	2022	Studies on morphological, cultural, physiological and pathological variability in isolate of <i>Exserohilum turcicum</i> , incitant of northern leaf blight of maize	L/P/Patil, G.P. Jagtap, D.G. Hingole, S.Y. Pawarand G.B. Gaikwad	<i>The Pharma innovation</i> NAAS 5.23	11 (22),

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25	2022	Effect of mutagens on emergence, plant survival and pollen sterility in safflower (<i>Carthamus tinctorius</i> L.)	Gawande S.M, Ghuge S.B., Kalpande H.V. and Wankhade M.P.	<i>The Pharma Innovation Journal</i> , NAAS 5.23	11 (2): 607-610
26	2022	Simulating Potential Impacts of Future Climate Change on Post-Rainy Season Sorghum Yields in India.	K Chadalavada, S Gummadi, KR Kundeti, DM Kadiyala, KC Deevi, K. K. Dakhore, R. K. B Diana, S K Thiruppathi	<i>Sustainability</i> NAAS 8.58	14 (1), 334
27	2022	Seasonal abundance of major insect pest on Bt cotton vis-à-vis weather parameters in Marathwadaregion, Maharashtra .	D. R. Kadam, S. H. Timke, K. K. Dakhore, and Y. E. Kadam.	<i>Journal of Agrometeorology</i> , NAAS 6.55	24 (4), 430–433.
28	2022	Linkage between the vegetation indices and climate factors over Haryana	Nitesh Awasthi ¹ , Jayant Nath Tripathi ¹ , K. K. Dakhore, Dileep Kumar Gupta ⁴ And Y. E. Kadam	<i>Journal of Agrometeorology</i> NAAS 6.55	Vol. No. 24 (4) : 380-383
29	2022	Biology of <i>Zygothrips bicolorata</i> Pallister on different parts of <i>Parthenium hysterophorus</i> Linn. under laboratory conditions	SS Dhurgude, D D Patil, G S Kharat, P S Neharkar , A G Badgujar	<i>The Pharma Innovation Journal</i> NAAS 5.23	11(12)
30	2022	Cytomorphological analysis of introgressed trispecies derivatives of cotton (<i>G.hirsutum</i> L. × <i>G.barbadense</i> L. × <i>G.arboreum</i> L.)	G.R. Lahane, K.S.Baig, A.R.Gaikwad and Adeel Syed	<i>Agricultural Mechanization in Asia</i> NAAS – 6.14	53(07): 11561-11575.
31	2022	Morphological, yield and quality performance of introgression trispecies derivatives of cotton (<i>G.hirsutum</i> L. × <i>G.barbadense</i> L. × <i>G.arboreum</i> L.)	G.R. Lahane, K.S.Baig, A.R.Gaikwad and Adeel Syed	<i>Environment Conservation Journal</i> NAAS – 5.66	53 (07) : 1-9.
32	2022	Genetic parameters studies for yield, yield contributing and morphological traits in soybean (<i>Glycine max</i> (L.) Merrill)	K. S. Baig , V. N. Chinchane , A. R. Gaikwad and S. M. Munde	<i>International Journal of Plant and Soil Science</i> NAAS - 5.07	34 (2): 54-63.

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33	2022	Heterosis studies for seed cotton yield and yield contributing traits in <i>desi</i> cotton (<i>Gossypium arboreum</i> L.)	M. Phemei , V.N. Chinchane and H.V.Kalpand	<i>The Pharma Innovation Journal</i> NAAS - 5.23	11(12): 5923-5927.
34	2022	Studies on genetic parameters for yield, yield contributing and fiber quality characters in <i>desi</i> cotton (<i>Gossypium arboreum</i> L.)	S.L. Kolhe, H.V. Kalpande and V.N. Chinchane	<i>The Pharma Innovation Journal</i> NAAS - 5.23	11(12): 5934-5936.
35	2022	Yield and quality of <i>Bt</i> cotton hybrid NHH 44 (BG II) as influenced by moisture conservation practices and fertilizer levels under rainfed condition	A. D. Pandagale, B. V. Asewar, K. S. Baig, V. B. Awasarmal and S. S. Rathod.	<i>Biological Forum - An International Journal</i> NAAS – 5.11	14(1): 298-302.
36	2022	Studies on earliness of <i>Bt</i> cotton as influenced by moisture conservation practices and fertilizer levels under rainfed condition.	A. D. Pandagale, B. V. Asewar, K. S. Baig, I. A. B. Mirza and S. S. Rathod.	<i>International Journal of Plant and Soil Science</i> , NAAS - 5.07	34(10): 150-158.
37	2022	Effect of micronutrient foliar application on growth and yield of niger (<i>Guizotia abyssinica</i> L.) under rainfed condition	G.P.Idhole B.B Nimanwad, S.B.Pawar and D.N. Gokhale	<i>The Pharma Innovation Journal</i> NAAS - 5.23	11(7):1409-1412
38	2022	Effect of micronutrient foliar application on yield and economics of niger (<i>Guizotia abyssinica</i> L.) under rainfed condition	G.P. Idhole, D.N. Gokale, S.B. Pawar and B.B. Nimanwad	<i>The Pharma Innovation Journal</i> NAAS - 5.23	11(7): 1413-1415
39	2022	Effect of weed management practices on growth and yield of maize (<i>Zea mays</i> L.)	B.B.Nimanwd, G.P Idhole, S.B. Pawar and A.K. Gore	<i>The Pharma Innovation Journal</i> NAAS - 5.23	11(7): 287-289
40	2022	Effect of plant growth regulators and micronutrients on fibre quality of high density planted <i>Bt</i> cotton (<i>Gossypium hirsutum</i> L.)	S.W.Chand, P.N.Karanjekar, S.Y.Dhale, Mirza IAB and K.S.Baig	<i>The Pharma Innovation Journal</i> NAAS - 5.23	11(7): 319-321

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41	2022	Heterosis studies for yield and yield contributing traits in ridge gourd (<i>Luffa acutangula</i> L.)	RV Bhalerao, DP Waskar and VS Khandare	The Pharma Innovation Journal NAAS 5.23	11(3): 987-992
42	2022	Effect of different salinity levels on growth, flowering and yield characteristics of brinjal varieties under Marathwada conditions	Motapalukula Jyothi, Tambe TB, Khandare VS, Shinde VN, Syed Ismail and Shinde GU	The Pharma Innovation Journal NAAS 5.23	11(12): 418-422
43	2022	Performance of different mulches on growth and yield of brinjal (<i>Solanum melongena</i> L.)	RD Bagele, VS Khandare, DP Waskar and SV Pawar	The Pharma Innovation Journal NAAS 5.23	11(2)
44	2022	Evaluation of gerbera (<i>Gerbera jamesonii</i> L.) cultivars grown under fan and pad cooled Polyhouse conditions	RD Baghele and MG Pusdekar	The Pharma Innovation Journal NAAS 5.23	11(6)
45	2022	Study of different cultivation methods and energy requirement of wheat	RH Rahate, SP Wagh and RD Baghele	The Pharma Innovation Journal; NAAS 5.23	11(7)
46	2022	Characters association and path analysis studies in mung bean (<i>Vigna radiata</i> (L.) Wilczek)	R.A. Jadhav, S.P. Mehtre, D.K.Patil, and V.K. Gite	The Pharma Innovation Journal. NAAS 5.23	11(2):105-118
47	2022	Characters association and path analysis studies on seed yield and its yield contributing traits in greengram (<i>Vigna radiata</i> (L.) Wilczek)	B. K. Dawane, D.K. Patil, V. K. Gite, JK Dawane and DG Kale	The Pharma Innovation Journal. NAAS 5.23	11(12):2476-2481
48	2022	Impact of Spacing and Nutrient Management Practices on Growth and Yield of Sweet Corn – Chickpea under Sequence Cropping	Pagar P.A., Pawar S.B., Gokhale D.N. and Patil D.K.	Biological Forum – An International Journal NAAS 5.23	14(2): 1045-1050

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49	2022	Effect of spacing and nutrient management practices on growth, yield and economics of sweet corn-chickpea under sequence cropping	PA Pagar, Dr. SB Pawar, Dr. BV Asewar and Dr. DK Patil	The Pharma Innovation Journal NAAS 5.23	11(7): 280-286
50	2022	Effect of various mulching materials on physical attributes of Acid Lime	S.G. Patil, L.A. Girase, A.V. Khote, N.A. Joshi	Scientist NAAS 6.85	
51	2022	Assessing genetic diversity in wheat genotypes by using molecular markers (RAPD and SSR)	Kalyani More, AA Bharose, Balaji Jadhav and SM Umate	The Pharma Innovation Journal NAAS 5.23	11(3)
52	2022	Genetic diversity studies in sesame (<i>Sesamum indicum</i> L.) genotypes.	K.Srikant and M. K. Ghodke	<i>The Pharma Innovations Journal. NAAS 5.23</i>	11(3): 1486-1491.
53	2022	Identification of potential parents and hybrids resistant to <i>plasmopara halstedii</i> race-100 in sunflower for semi-arid dryland environments of India.	A. K. Choudhari., M. K. Ghodke and M. Y. Dudhe	<i>Vegetos. NAAS 5.27</i>	10-1007.
54	2022	Heterotic studies in sunflower (<i>Helianthus annuus</i> L).	A.K. Choudhari and M. K. Ghodke	<i>The Pharma Innovation Journal NAAS 5.23</i>	11(12): 3155-3159.
College of Agriculture Parbhani					
Agricultural Botany					
55	2022	Effect of mutagens of emergence, plant survival and pollen sterility in Safflower (<i>Carthamus tinctorius</i> L.)`	S. M. Gawande, S. B. Ghuge, H. V. Kalpande and M. P. Wankhade	The Pharma Innovation Journal NAAS 5.23	11 (2) Jan.2022 607-610
56	2022	Optimal lethaldose (LD ₅₀) of gamma rays and EMS induced mutagenesis in PBNS-12 variety of Safflower (<i>Carthamus tinctorius</i> L.)	S. M. Gawande, S. B. Ghuge, H. V. Kalpande and S. T. Rathod	The Pharma Innovation Journal NAAS 5.23	11 (5) March-2022 1554-1557
57	2022	Mutation induced phenotypic variation for yield traits in Sorghum (<i>Sorghum bicolor</i> (L.) Moench)	S. M. Surashe H. V. Kalpande, , Ashok Badigannavar, A. W. More and T. R. Ganpathi	Electronic Journal of Plant Breeding NAAS 5.14	13 (2) May-2022 312-318

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58	2022	Combining ability studies for fiber quality traits in intra (<i>G. hirsutum</i> L. x <i>G. hirsutum</i>) and inter (<i>G. hirsutum</i> x <i>G. barbadense</i>) specific crosses of Cotton	A. S. Deshmukh, D.B. Deosarkar, H. V. Kalpande A. V. Shinde and N. R. Thakur	The Pharma Innovation Journal NAAS 5.23	11 (11) Oct.2022 1780-1787
59	2022	Dormancy studies in <i>in-situ</i> germination in Mung bean (<i>Vigna radiata</i> (L.)	S. R. Kadam, J. E. Jahagirdar, H. V. Kalpande, S. V. Kalyankar, A. S. Deshmukh, N. R. Thakur, S. A. Patil, P. N. Totewad	The Pharma Innovation Journal NAAS 5.23	11 (11) Oct.2022 1413-1418
60	2022	Study of correlation of path analysis in normal and late sown condition in Wheat genotypes (<i>Triticum aestivum</i> L.) for heat tolerance	P. N. Totewad, S. U. Umate, H. V. Kalpande, H. H. Bhadarge, N. R. Thakur, A. S. Deshmukh, S. A. Patil, S. R. Kadam,	The Pharma Innovation Journal NAAS 5.23	11 (12) Nov. 2022 299-305
61	2022	Heterosis for fodder yield and its contributing traits in dual purpose sorghum (<i>Sorghum bicolor</i> (L.) Moench.) hybrids	A. W. More, D. B. Deosarkar and H. V. Kalpande	Agricultural Mechanization in Asia, Africa and Latin America NAAS 6.14	
62	2022	Studies on genetic parameters for yield, yield contributing and Fiber quality characters in <i>desi</i> cotton (<i>Gossypium arboreum</i> L.)	S. L. Kolhe, H. V. Kalpande and V. N. Chinchane	The Pharma Innovation Journal NAAS 5.23	11 (12) Nov. 2022 5934-5936
63	2022	Effects of micronutrients on growth, yield and storage of garlic (<i>Allium sativum</i> L.)	SD Kulthe, GS Pawar, PR Thombre and Dr. VS Pawar	The Pharma Innovation Journal 2022; NAAS 5.23	11(12): 2045-2048.
64	2022	Study of soybean genotypes to examine the dynamics of dry matter accumulation during the seed filling period	AV Gawale, Dr. GS Pawar and PA Kachare	The Pharma Innovation Journal 2022 ; NAAS 5.23	11 (): 2 952 -2957.

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65	2022	Assessment of genetic diversity and volatile content of commercially grown banana (<i>Musa</i> spp.) cultivars	Hinge V.R., Shaikh I.M., Chavhan R.L., Deshmukh A.S., Shelake R.M., Ghuge S.A., Detha A.M., Suprasanna Penna and Kadam U.S.	Scientific Reports, www.nature.com/reprints NAAS 10.58	12: 7979, 1-16
66	2022	Heterosis for seed yield and Oil Content in Sunflower Hybrids.	Dhutmal RR, Maloo, SR, Meena BL. More AW, Kalpande HV.	Indian Journal of Agricultural Sciences.	91 (7): 1058–62.
67	2022	Studies on combining ability for fruit yield and its related attributes in okra (<i>Abelmoschus esculentus</i> (L.) Moench)	MA Kharat, DK Zate, DR Bhise and PA Sasane	The Pharma Innovation Journal 2021; NAAS 5.23	11(10): 2229-2233
68	2022	Correlation analysis between seed yield and yield contributing traits over the locations in genotypes of safflower (<i>Carthamus tinctorius</i> L.)	AS Malve, AH Rathod, SL Shinde and DK Zate	The Pharma Innovation Journal 2021; NAAS 5.23	11(12): 3407-3412
69	2022	Genetic variability, heritability, and genetic advance for selection parameters of okra (<i>Abelmoschus esculentus</i> (L.) Moench) genotype	MA Kharat, DK Zate, RV Bhalerao and DR Bhise	The Pharma Innovation Journal 2021; NAAS 5.23	11(12): 3718-3723
70	2022	Correlation analysis for fruit yield and its related traits in okra [<i>Abelmoschus esculentus</i> (L.) Moench]	SL Shinde, DK Zate, SS Gavade, AK Zate and JV Shinde	The Pharma Innovation Journal 2021; NAAS 5.23	11(1): 215-220
71	2022	Studies on combining ability in okra through line x tester analysis	SL Shinde, DK Zate, FS Khan and PR Thombre	The Pharma Innovation Journal 2021; NAAS 5.23	11(12): 221-227
72	2022	Heterosis Studies by using L x T design for yield and yield contributing traits in okra (<i>Abelmoschus esculentus</i> (L.) Moench)	SL Shinde, DK Zate, FS Khan and PR Thombre	The Pharma Innovation Journal 2021; NAAS 5.23	11(12): 228-237

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73	2022	Lysimeter: Semi high throughput plant phenotyping platform	Vishal Hivare, Kalyani Deshmukh and D. G. Dalvi	Just Agriculture,	Volume-3, Issue-3, Nov.-2022, PP- 1-3, Article ID: 24
74	2022	Studies on morphological traits of mungbean (<i>Vigna radiata</i> L.) genotypes	P. R. Thombre, D. G. Dalvi, A. V. Pawar and S. L. Shinde	The pharma innovation journal, 2023, NAAS 5.23	12(1), PP-210-214
75	2022	Correlation and path analysis studies in rabi sorghum (<i>Sorghum bicolor</i> (L.) Moench.) mutants. Dec. 2022	Sudhir Patil, Hirakant Kalpande, Ambika More, Rushikesh Karpe and Ashok Badigannavar	The Pharma Innovation Journal 2022; NAAS 5.23	11(12): 3514-3520
76	2022	Heterosis For Fodder Yield and its Contributing Traits in Dual Purpose Sorghum (<i>Sorghum Bicolor</i> (L.) Moench) Hybrids.	A.W. More* , D.B Deosarkar , H.V. Kalpande.	Agricultural Mechanization in Asia, Africa and Latin America NAAS 6.14	53(12): 10981-10988
77	2022	Effect of foliar spray of NAA (Naphthalene acetic acid) on seed quality of Pigeon pea (<i>Cajanus cajan</i> L.)	Kanna Sharvani, S.V. Kalyankar and M.P. Wankhade	The Pharma Innovation Journal 2022; NAAS 5.23	11(1): 1170-1171
78	2022	Effect of mutagenes on emergence, plant survival and pollen sterility in safflower (<i>Carthamus tintorius</i> L.)	S.M. Gawande, S.B. Ghuge, H.V. Kalpande and M.P. Wankhade	The Pharma Innovation Journal 2022 NAAS 5.23	; 11(2): 607-610
79	2022	Studies on genetic variability and association among seed yield and yield component characters (<i>Sesamum indicum</i> L.)	S.H. Pohekar, M.P. Wankhade, S.B. Ghuge, R.R. Karpe and S.A. Cheke	The Pharma Innovation Journal 2023; NAAS 5.23	12(1): 1255-1258
80	2022	Correlation and path analysis study direct and indirect contribution of different components characters on seed yield sesame (<i>Sesamum indicum</i> L.)	S.H. Pohekar, M.P. Wankhade, R.R. Karpe, S.S. Deshmukh and K.S. Ghule	The Pharma Innovation Journal 2023; NAAS 5.23	12(1): 1766-1769

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81	2022	.Fibre quality evaluation of BG II converted 152 G. hirsutum cotton lines in F ₆ generation with presence of Cry1Ac and Cry2Ab insect resistant transgene	A.R. Gaikwad	The Pharma Innovation Journal NAAS 5.23	
82	2022	.Cytomorphological analysis of introgressed trispecies derivatives of cotton (G. hirsutum L. x G. barbadence L.) x G. arboreum L.	A.R. Gaikwad	Agricultural Mechanization in Asia (AMA) NAAS 6.14	
83	2022	Morphological, yield and quality performance of introgression trispecies derivatives of cotton (G. hirsutum L. x G. barbadense L.) x G. arboreum L.	A.R. Gaikwad	Environmental Conservation Journal NAAS 5.66	
Entomology					
84	2022	Effect of insecticides on domesticated species of honey bee (<i>Apis mellifera</i> and <i>Apis cerana indica</i>) on safflower	GP Harke, PS Neharkar and PR Zanwar	The Pharma Innovation Journal NAAS 5.23	11(9): 968-971
85	2022	Effect of temperature and humidity on honey bee visits in safflower crop	GP Harke, PS Neharkar and PR Zanwar	The Pharma Innovation Journal NAAS 5.23	11(9): 972-975
86	2022	Varietal Screening against Major insect Pests of Mustard (<i>Brassica juncea</i> L.)	Vinyas S.N., Neharkar P.S., Bantewad S.D. and Matre Y.B.	Biological Forum – An International Journal NAAS 5.11	14(4): 07-10
87	2022	Eco-Friendly Management of Major insect Pests of Mustard (<i>Brassica juncea</i> L.)	Vinyas S.N., Neharkar P.S. and Matre Y.B.	Biological Forum – An International Journal NAAS 5.11	14(3): 1577-1581
88	2022	Evaluation of recommended insecticides against sucking pests of Bt cotton	PR Zanwar and LT Shelke	The Pharma Innovation Journal 2022; NAAS 5.23	SP-11(10): 2181-2184

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89	2022	Efficacy of ready-mix insecticide formulations against bollworm complex in cotton	VB Berad, GP Harke and PR Zanwar	The Pharma Innovation Journal 2022; NAAS 5.23	11(9): 981-983
90	2022	Seasonal incidence of major pests of chilli and its correlation with weather parameters	Nimbalkar N.K., Sonkamble M.M, Matre Y.B.	J.Ent. Res., NAAS 5.89	46(2):323-327
91	2022	Efficacy of different biopesticides against major insect pests of chilli (<i>Capsicum annuum</i> L.)	Nimbalkar N.K., Sonkamble M.M. and Matre Y.B.	J. ent. Res. , NAAS 5.89	46 (1) : 77-82
92	2022	Seasonal incidence of major insect pests of Brinjal in relation to weather parameters	Tupe AP, AG Lad, Pawar AA, Khandare RY and Matre YB	The Pharma Innovation Journal NAAS 5.23	11 (12) 3791-3795
93	2022	Status of whitefly (<i>Bemisia tabaci</i> Gennadius) population on Bt cotton in Marathwada region of Maharashtra under changing climate	AG Lad, RY Khandare and YB Matre	The Pharma Innovation Journal NAAS 5.23	11(12):3791-3795
94	2022	Evaluation of newer insecticides against brinjal shoot and fruit borer	Tupe AP, AG Lad, Swetha BS, Detha RG and Pisal SS	The Pharma Innovation Journal NAAS 5.23	11(12): 2601-2605
95	2022	Infestation of major insect pests and diseases on sweet orange in Marathwada region during 2021-2022	AG Lad, YB Matre and RY Khandare	The Pharma Innovation Journal NAAS 5.23	11(12s): 414-419
96	2022	Relative toxicity of insecticides against safflower aphid under laboratory condition	N.N. Pranav, F.S. Khan and B.V. Bhede	J. ent. Res., NAAS 5.89	46 (2) : 291-293

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97	2022	Effect of biotic and abiotic factors on <i>Spodoptera frugiperda</i> in Parbhani, Marathwada region	Swetha BS, FS Khan and Tupe AP	The Pharma Innovation Journal NAAS 5.23	11(12): 3563-3565
98	2022	Ecofriendly management of <i>Spodoptera frugiperda</i> in maize	Swetha BS, FS Khan and Tupe AP	The Pharma Innovation Journal NAAS 5.23	11(12): 4320-4323
99	2022	Effect of safflower aphid on 20 different safflower germplasms for biometric observations	More PR, Zanwar PR, Patel HN, Gambhire VS and Ghuge SB	The Pharma Innovation Journal 2023 ; NAAS 5.23	12(1): 1450-1451
100	2022	Studies on combining ability in okra through line x tester analysis	SL Shinde, DK Zate, FS Khan and PR Thombre	The Pharma Innovation Journal NAAS 5.23	12(1): 221-227
101	2022	Seasonal abundance of major insect pest on Bt cotton vis-à-vis weather parameters in Marathwada region, Maharashtra	D. R. Kadam, S. H. Timke, K. K. Dakhore and Y. E. Kadam	Journal of Agrometeorology NAAS 6.55	Vol. No. 24 (4) : 430-433
Soil Science					
102	2022	Effect of fertilizer and chelated micronutrient on fruit set, retention, cracking and fruit drop of pomegranate (<i>Punica granatum</i> L.) Cv. Bhagwa	Pavhane, S.B., Waghmare, G.M., Gawade, R.N., Shinde, V.N., Khandare, V.S., Syed Ismail and More, S.S.	<i>The Pharma Innovation Journal</i> 2022; NAAS 5.23	11(1): 124-128
103	2022	Effect of fertilizer and chelated micronutrient on chemical parameters of pomegranate fruit (<i>Punica granatum</i> L.) Cv. Bhagwa	Pavhane, S.B., Waghmare, G.M., Shinde, V.N., Khandare, V.S., Syed Ismail and More, S.S.	<i>The Pharma Innovation Journal</i> ; NAAS 5.23	11(3): 526-530
104	2022	Impact of Inorganic Iron and Siderophore Producing Microbes on Growth and Content of Nutrient in Indian Sorrel Leaves (<i>Rumex vasicarias</i>)	Anshumala Kujur and Syed Ismail	<i>International Journal of Plant and Soil Science</i> NAAS 5.07	34(11): 23-32

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105	2022	Interaction effect of graded levels of zinc and zinc solubilizing biofertilizers on growth parameters and yield of ginger	Priya Satwadhar and Syed Ismail	<i>The Pharma Innovation Journal</i> ; NAAS 5.23	11(9): 1049-1052
106	2022	Effect of grafting on chlorophyll characteristics in brinjal grafted on <i>Solanum torvum</i> under salt affected conditions	Motapalukula Jyothi, Tambe TB, Khandare VS, Shinde VN, Syed Ismail and Shinde GU	<i>The Pharma Innovation Journal</i> NAAS 5.23	; 11(9): 1832-1838
107	2022	Effect of Organic and Inorganic Nutrients Sources on Soil Humus Fractions under Soybean-Safflower Cropping Sequence	S. L. Waikar, S. P. Zade, S. S. Shilewant and A. J. Ingole	<i>International Journal of Current Microbiology and Applied Sciences</i> NAAS 5.38	Volume 11 Number 10 (2022)
108	2022	Yield, Quality, Disease Resistance and Plant Nutrition of Pomegranate (<i>Punica granatum</i> L.) Influenced by Integrated Nutrient Management	Bhagyaresha R Gajbhiye, Papita H. Gourkhede and Tejswini R. Kachave	<i>Agricultural Mechanization in Asia</i> NAAS 6.14	53(6):9099-9112
109	2022	Effect of different levels of phosphorus and sulphur on Yield of cowpea (<i>Vigna sinensis</i>) Cv. Pusa phalguni	Abdar J. P., Dhutraj S. V. and Gajbhiye B. R.	<i>The Pharma Innovation Journal</i> NAAS 5.23	10(11):1668-1671
110	2022	Studies on effect of different soil types and moisture regimes on seed hydration value of various soybean varieties	DigvijayDhama, Papita H. Gourkhede and S. S. Shilewant..	<i>Agricultural Mechanization in Asia (AMA)</i> . NAAS 6.14	Vol 53, Issue 6. 8653-8669
111	2022	Nutrient use efficiency in terms of yield and uptake as influenced by multinutrient briquettes in BT-cotton grown on Vertisol.	Kakde G C ,Patil V D and Gourkhede P H.	<i>International Journal Applied Research</i> . NAAS 5.38	Vol.8 (7) 33-35

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112	2022	Effect of organic farming on enzymatic activity and microbial populations of soybean	Gorde NB, Zade SP, Bodke VS and Nakhate PS	<i>The Pharma Innovation Journal</i> NAAS 5.23	11(12): 2182-2186
112	2022	Investigation on Effect of Zinc Solubilizing Microorganisms on Microbial Population in Soil of Pigeonpea [<i>Cajanus cajan</i>] on Vertisol	S. M. Jadhav and A.L. Dhamak	<i>International Journal of Plant and Soil Science</i> NAAS 5.6	Vol 34(24)1051-1067
Agricultural Meterology					
113	2022	An investigation on the effect of soil solarisation on soil temperature and soil moisture conservation	Jagtap M.P. and Y.A.Shinde	Arab.J.Geosci. NAAS 7.83	(15) pp1778
114	2022	Formulation of Abiotic Triggers for Prediction of Thrips and Whitefly Pest in Bt Cotton under Rainfed Condition of Maharashtra	Pralhad Jaybhaye	Indian Journal of Ecology NAAS 5.79	49(3): 801-808
115	2023	Effect of fertigation on performance of summer onion under different water regimes	PB Kedar, PR Jaybhaye and AB Deshmane	The Pharma Innovation Journal; NAAS 5.23	12(1): 2928-2933
Plant Pathology					
116	2022	Bio efficacy of different bioagents against <i>Colletotrichum lindemuthianum</i> causing anthracnose of cowpea in <i>in vitro</i> conditions	Lokhande A.D., M.S. Dadke, T.S. Godhavale, R.S. Chandurkar, R.K. Jyotika and M.S. Mahajan	<i>The Pharma Innovation Journal</i> NAAS 5.23	11(12):4907-4909.
117	2022	Efficacy of different fungicides against <i>Colletotrichum lindemuthianum</i> causing anthracnose of cowpea.	Lokhande A.D., M.S. Dadke, T.S. Godhavale, R.K. Jyotika and B.D. Deokar.	<i>Indian Journal of Agriculture and Allied Sciences</i>	8(4): 254-260

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Agricultural Extension					
118	2022	Profile of the Kisan Credit Card scheme non-beneficiary farmers of Marathwada region	Nigade D.D., P.R. Deshmukh and Ekale J.V.	The Pharma Innovation NAAS 5.23	11(1),pp:999-1003
119	2022	Constraints faced by beneficiaries farmers in 'crop pest surveillance and advisory project' and suggestions to overcome the constraints	Nand Sagar, Jakkawad S.R. and Deshmukh N.D.	The Pharma Innovation, NAAS 5.23	11(12), pp:4177-4179
120	2022	Awareness of farmers towards integrated farming system	Dhavale N.D., Kapse P.S. and Lad A.S.	The Pharma Innovation Journal 2022; NAAS 5.23	Online.Vol. SP-11 (8), pp: 897-901
121	2022	Impact of sericulture enterprise on its beneficiaries	Joshi R.R., Kapse P.S. and Ahire R.D.	The Pharma Innovation Journal 2022; Online NAAS 5.23	Vol. SP-11 (9), pp:1396-1399
122	2022	Impact of IPM technology on cotton growers in Maharashtra	Aglawe D.D., Bhute N.K., Kale N.D., Kadam R.P., Ahire R.D., Ekale J.V. and Kapse P.S.	The Pharma Innovation Journal 2022; NAAS 5.23	Online Vol. 11 (12) , pp: 5860-5869
123	2022	Farmer Producer Organization-Boon for Farming Community	Lade A.H., Ahire R.D. And Lad A.S.	Jour. of Agriculture Extension Mgt.	XXIII(1),pp:25-39
124	2022	Relationship between profile of dairy farm women with their training needs in dairy farming	Banger R.U., Lad A.S and Kadam R.P.	The Pharma Innovation Journal NAAS 5.23	11(12), pp:498-500
125	2022	Constraints faced by dairy farm women in dairy farming	Banger R.U., Lad A.S. and Kadam R.P.	The Pharma Innovation Journal NAAS 5.23	11(12),1968-1970
126	2022	Training needs of dairy farm women about dairy farming	Banger R.U., Lad A.S. and Kadam R.P.	The Pharma Innovation Journal NAAS 5.23	12(1) , pp:201-205
127	2022	Constraints faced by extension personnel working in state	Kshatriya A.M., P.R. Deshmukh and Kale N.D.	The Pharma Innovation, NAAS 5.23	12(1) , pp:677-679

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		agriculture department of Marathwada region during their job and invite suggestions to overcome it			
128	2022	Correlation between profile of sugarcane growers and training needs	Vaidya N.G., Kapse PS, Kadam R.P., A.S Hiwarale. and Gohade G.R	The Pharma Innovation Journal 2023; NAAS 5.23	Vol. 12 (1) , pp: 1445-1447
129	2022	Effect of different land configuration, superabsorbant and nutrient management on yield and economics of soybean (<i>Glycinemax</i> L.)- Safflower (<i>Carthamustinctorius</i>) cropping system.	C. K. Bhadre, W.N. Narkhede and M.M. Desai	<i>Legume Research- An International Journal</i> , (August 2021)NAAS 6.59	Volume 44 Issue 8: 947-951
130	2022	Integrated weed management in wheat (<i>Triticum aestivum</i> L.)	S. Shaharukh, s. U. Pawar, v. B. Awasarmal and mirza i.a.b.	<i>Journal of Crop and Weed</i> NAAS 5.46	18(2): 297-300
131	2022	Production Potential of Pigeon Pea [<i>Cajanus cajan</i> (L.) Millsp.] as Influenced by Crop Geometry and Plant Growth Regulators 10.18805/LR-4566:	S.U. Pawar, W.N. Narkhede, D.N. Gokhale, I.A.B. Mirza	<i>Legume Research- An International Journal</i> NAAS 6.59	, 6: (June 2022): 727-734
132	2022	Morphophenological Characters and Productivity of Pigeon Pea [<i>Cajanus cajan</i> (L.) Millsp.] as Influenced by Crop Geometry and Plant Growth Regulators	Sunita U. Pawar, D.N.Gokhale, W.N.Narkhede and B.V.Asewar.	<i>Legume Research- An International Journal</i> , NAAS 6.59	7: (July 2022): 883-887
133	2022	Integrated weed management in wheat (<i>Triticum aestivum</i> L.)	S. Shaharukh, S. U. Pawar, V. B. Awasarmal and Mirza I.A.B.	<i>Journal of Crop and Weed</i> NAAS 5.45	18(2): 297-300

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134	2022	Weed control efficiency with herbicide application by the combination of Drone and Knapsack sprayer in wheat (<i>Triticum aestivum</i> L.).	Dameruppula Pranaswi, MP Jagtap, BV Asewar, DN Gokhale and GU Shinde	The Pharma Innovation J NAAS 5.52	
135	2022	An investigation on the effect of soil solarization on soil temperature and soil moisture conservation.	Jagtap, M.P., Shinde, Y.A. (2022).	<i>Arab J Geosci</i> NAAS 7.83	
136	2022	Nutrient content and uptake of vegetable Indian bean (<i>Dolichus lablab</i> L.) as influenced by integrated nutrient management in Indian bean (V) - pearl millet (F) sequence	Kumar GV, LK Arvadiya, Sharad V Gosavi, RK Mahanta, Akshay R Katara and Chethan KS	The Pharma Innovation Journal 2022; NAAS 5.23	SP-11(7): 4146-4151
Horticulture					
137	2022	Combining ability studies in ridge gourd (<i>Luffa acutangula</i> L.)	Bhalerao R.V. , Waskara D.P., and Borgaonkar S.B.	<i>The Pharma Innovation Journal</i> NAAS 5.23	2022:11(3):1210-1215
138	2022	Heterosis studies for yield and yield contributing traits in ridge gourd (<i>Luffa acutangula</i> L.)	Bhalerao R.V. , Waskara D.P., and Khandare V.S.	<i>The Pharma Innovation Journal</i> ; NAAS 5.23	11(3): 987-992
139	2022	Heterosis studies for yield and yield component in okra (<i>Abelmoschus esculentus</i> (L). Moench)	MA Kharat, RV Bhalerao, DR Bhise and PA Sasane	<i>The Pharma Innovation Journal</i> ; NAAS 5.23	11(12): 2251-2258
140	2022	Response of broccoli (<i>Brassica oleracea</i> L. var. <i>italica</i>) to various coloured plastic mulch and organic mulch on yield and yield attributing traits	Bansod VU, Bhalerao RV, Naik KM and Pisal SS	<i>The Pharma Innovation Journal</i> ; NAAS 5.23	11(12): 4078-4080

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141	2022	Influence of different shades of inorganic mulch and organic mulch on growth attributing traits of broccoli (<i>Brassica oleracea L. var. italica</i>)	Bansod VU, Bhalerao RV, Jadhav MS and Dapurkar ND	<i>The Pharma Innovation Journal</i> ; NAAS 5.23	11(12): 4310-4312
142	2022	Genetic variability, heritability, and genetic advance for selection parameters of okra (<i>Abelmoschus esculents (L.) Moench</i>) genotype	MA Kharat, DK Zate, RV Bhalerao and DR Bhise	<i>The Pharma Innovation Journal</i> ; NAAS 5.23	11(12): 3718-3723
Agricultural Economics					
143	2022	Growth rates in area, production and productivity of soybean in Marathwada region of Maharashtra state.	Pathrikar DT, DS Perke, SS More	<i>The Pharma Innovation Journal</i> , NAAS: 5.03 ISSN- 2349-8242	SP-11(1):1009-1012
144	2022	Compound growth rate and instability in soybean crop of Marathwada region of Maharashtra.	Pathrikar DT, DS Perke, RV Chavan	<i>The Pharma Innovation Journal</i> , NAAS: 5.03 ISSN- 2349-8242	SP-11(1):1335-1337
145	2022	Growth and Decomposition of Onion production in Maharashtra.	Paresh P. Baviskar, D S Perke U P Gaware Pavithra S and V A Deshmukh	<i>International journal of Environment and Climate Change</i> , NAAS: 5.13 ISSN - 2581-8627	12(3): 45-50
146	2022	Market Integration and Seasonality of Pomegranate in Solapur District.	Kamble A.T., Perke D.S. and Sangeeta Kumari, S.	Indian Journal of Economics and Development; NAAS: 5.15 ISSN - 2277-5412	18 (1): 224-228
147	2022	Export Performance of Basmati Rice from India: An Economic Analysis	Sangeeta kumari, S., Perke D.S. and Kamble A.T.	Indian Journal of Economics and Development; NAAS: 5.15 ISSN - 2277-5412	18 (1): 229-233.
148	2022	Status of Papaya Cultivation in India	Hadolikar SB and More S.S.	The Pharma Innovation Journal NAAS: 5.23	11 (12) : 724-726

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149	2022	Growth Rates in Area, Production and Productivity of Soybean in Marathwada Region of Maharashtra state	D. T. Pathrikar, D.S. Perke and More S.S.	The Pharma Innovation Journal NAAS: 5.23	11 (1) : 1009-1012
150	2022	Techniques and Status of Crop Diversification: A Review	Kaveri G. Sonwane, Sachin S. More, Digamber S. Perke and Ranjit V. Chavan	Journal of Pharmacognosy and Phytochemistry Impact Factor : 5.5	11 (4) : 258-262
Animal Husbandry Dairy Science					
151	2022	Value addition, break-even point and cost and return of processing of groundnut mill's in Maharashtra.	Gopal W Khorne, Rakesh D.Ahire and Balasaheb C.Andhare	The Pharma Innovation NAAS 5.03	11
152	2022	Standardization of technology for manufacture of paneer from toned milk using sago powder	Maske T.A., Andhare B.C., Shinde S.P. and Shingare J.D.	The Pharma Innovation NAAS 5.03	SP-11
153	2022	Optimization of levels of paneer, butter and garden cress seed for manufacturing of paneer butter spread on the basis of sensory evaluation	Kamal A, Andhare B.C. and Shinde S.P.	The Pharma Innovation NAAS 5.03	11
154	2022	Marketing of broiler and its scope in Latur tehsil of Latur district	P N Puram ,A.T. Shinde , B.C.Andhare and .S.Gajbhiye	The Pharma Innovation NAAS 5.03	11
155	2022	Studies on physic-chemical properties of <i>Lassi</i> blended with jamun powder (<i>Syzygium cumini</i>)	S.C.Mane, B.C.Andhare, S.T.Mane and S.G.Khandagale	The Pharma Innovation NAAS 5.03	11
156	2022	Studies on consumer response of <i>Lassi</i> blended with jamun powder	S.C.Mane, B.C.Andhare, and Tadavi Faruk	The Pharma Innovation NAAS 5.03	11
157	2022	Process standardization of <i>Lassi</i> blended with jamun powder	S.C.Mane, B.C.Andhare, and Tadavi Faruk	The Pharma Innovation NAAS 5.03	11
158	2022	Studies on Reproductive Performance of Buffaloes maintained at College of Agriculture, Parbhani	Jadhao D.S., Bainwad D.V. and Jadhav G.B.:	<i>The Pharma Innovation Journal</i> NAAS 5.23	11

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159	2022	Effect of Garlic (<i>Allium Sativum</i>) Supplementation on the Blood Parameters and Cost Structure in Buffalo Calves at Organized Farm	Lad S. N., Bainwad D.V., Rasve S.B. and Kumare K.D.:	<i>The Pharma Innovation Journal</i> NAAS 5.23	11
160	2022	Effect and economics feeding of guar meal on blood parameter of buffalo calves at organized farm	Shedge J.B., Bainwad D.V., Shinde A.Y and Bhendegave R.S.:	<i>The Pharma Innovation Journal</i> NAAS 5.23	
161	2022	∴ Effect of feeding of guar meal on growth performance of buffalo calves at organized farm	Shedge JB, Bainwad D.V. and Shinde A.Y	<i>The Pharma Innovation Journal</i> NAAS 5.23	
162	2022	Studies on acceptability and microbial analysis of paneer incorporated with spinach powder”	BB Chaudhari, Dr. NS Kamble, RS Bhendegave and SS Bansode	<i>The Pharma Innovation Journal</i> NAAS 5.23	12
163	2022	Determination of shelf life and microbiological quality of kheer blended with ash gourd shreds	NS Kamble, BB Chaudhari and JB Shedge,	<i>The Pharma Innovation Journal</i> NAAS 5.23	12
164	2022	Effect of Black paper (<i>Piper Nigrum</i>) and Turmeric (<i>Curcuma longa</i>) powder on sensory and rheological quality of Burfi	Kumare K. D. Londhe G. K. Anarthe N.K.	<i>The Pharma Innovation Journal</i> NAAS 5.23	11
165	2022	Effect of Sensory Properties, Shelf Life and Cost of Production on Black Gram (<i>Vigna mungo</i>) Flour Burfi	S.P. Patil, S.G. Narwade, G.K. Londhe, R.A. Patil	<i>Asian Journal of Dairy and Food Research</i> NAAS 5.75	41
166	2022	Effect of Physico-chemical and Textural Properties on Black Gram (<i>Vigna mungo</i>) Flour Burfi	S. P. Patil, S. G. Narwade and S. G. Khandagale	<i>International Journal of Current Microbiology and Applied Sciences</i> NAAS 5.38	11
167	2023	Effect of addition of strawberry pulp on physicochemical attributes of Kulfi	Sontakke M. M, Narwade S. G. and Londhe G. K.	<i>The Pharma Innovation</i> NAAS 5.23	12

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College of Agriculture Ambajogai					
168	2022	Ecofriendly treatments for the management of rice weevil (<i>Sitophilus oryzae</i> L.) on sorghum	Ajay Khatavkar, Sanjeev Bantewad and Puroshattan Neharkar	<i>J. ent. Res.</i> ,	46 (2) : 385-392 NAAS 5.89
169	2022	.Varietal Screening against Major insect Pests of Mustard (<i>Brassica juncea</i> L.)	<i>Vinyas S.N., Neharkar P.S., Bantewad S.D. and Matre Y.B</i>	<i>Biological Forum – An International Journal</i>	14(4): 07-10(2022) NAAS 5.11
170	2022	Efficacy Of Different Ecofriendly Pesticides Against Pigeonpea Pod Borer	M. V. Ugale, S. D. Bantewad, A. L. Suradkar,	Scientist. 2022;	1(3):4890-4901. NAAS: 6.85
171	2022	Bio efficacy of newer insecticides for the control of safflower aphid, <i>uroleucon compositae</i> (Theobald)	Gangurde SM, PS Neharkar, S.D Bantewad and PR Zanwar.	The Pharma Innovation Journal	11(12): 5435-5439 NAAS : 5.23
172	2022	Compatibility of Rhizobium spp. With agrochemicals used to control chickpea wilt incited by <i>Fusarium oxysporum</i> f.sp.ciceri (Padwick) Synder and Hansen	Bobade S.S Chavan R.A	The Pharma Innovation Journal	11(12): 1951-1957 NAAS 5.23
173	2022	Heterosis and per se performance studies in sesame (<i>Sesamum indicum</i> L.)	Sanjay T Rathod, Vishnu K Gitte, Mohan V Dhuppe, Santosh B Borgaokar and Shailesh Gawande.	The Pharma Innovation Journal	11(1):1176-1182 NAAS Rating: 5.23
174	2022	Adoption gap in Vegetable production practices	V.S. Tekale, M.C.Bhagat and V.V. Tayde	The Pharma Innovation Journal	Vol.11, Issue 2 : 2891-2894 NAAS 5.23
175	2023	First report of larval-pupal parasitoid of melon fruit fly on bitter gourd in Marathwada region of Maharashtra	Radhika and S. D. Bantewad.	Scientist.	2 (1):381-384 NAAS: 6.85

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College of Agriculture Osmanabad					
176	2022	Cost Returns And Profitability Of Maize Cultivation In Aurangabad District Of Maharashtra	R.A.Thombare,J.B. Tawale, R.D.Shelke and S.H.Kamble	The Pharma Innovation Journal NAAS : 5.23	11 (12)
177	2022	Marketing Cost, Margin and price spread of maize in Aurangabad District Of Maharashtra	R.A.Thombare,J.B. Tawale, R.D.Shelke and S.H.Kamble	The Pharma Innovation Journal NAAS : 5.23	11 (12)
178	2022	Transgressive segregation in F2 and backcross generations of cowpea (<i>Vigna unguiculata</i> L.)	S.S. Patil, V.N. Toprope, K.B. Gaiwal, P.R. Sargar and A.R. Patil	The Pharma Innovation Journal . NAAS : 5.23	11 (12)
179	2022	Genetic variability, heritability and genetic advance studies in F2 and F3 populations of cowpea [<i>Vigna unguiculata</i> (L.) Walp]	Gaiwal KB, Toprope VN, Patil SS, Chaudhari BD and Dalvi VT	The Pharma Innovation Journal 2022 NAAS : 5.23	11 (12)
180	2022	Effect of different sources of organic Fertilizers on growth, yield and quality of Sweet pepper (<i>capsicum annuum</i> l.) Under Protected condition	Ralebhat B. N. , R. A., Patil, T. S. Ghangale	The Scientist NAAS: 6.85	Vol. 1(3): pp 2800-2810.
181	2022	Studies On Preparation Of Guava Nectar Blended With Anola And Tulsi Extract	Gaikwad SB, RA Patil and SN Deokar	The Pharma Innovation NAAS: 5.23	Vol. 11(12): pp 5763-5772
182	2022	Standardization of different plant growth regulators on growth parameters of cherry tomato (<i>Solanumlycopersicum</i> var. <i>cerasiforme</i>) under protected condition	Gawali SS, RA Patil and SB Gaikwad	The Pharma Innovation NAAS: 5.23	Vol. 12(1): pp. 506-510
183	2022	Technological gap in adoption of chilliProduction practices	Pendam R. B., Thorat K. S., Patil R. A.	The Scientist NAAS: 6.85	Vol. 1(3): pp 4578-4583.

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184	2022	Technological gap in adoption of chilli Production practices	Pendam R. B., Thorat K. S., Patil R. A.	The Scientist NAAS: 6.85	Vol. 1(3): pp 4578-4583.
185	2022	Adoption of integrated sugarcane trash Management technology by sugarcane Growers	Sayali Laxman Chandgude, K. S. Thorat, P. A. Sakhare	The Scientist NAAS: 6.85	Vol. 1(3): pp 4725-4731.
186	2022	Relationship between profile and Adoption of integrated sugarcane trash Management technology by sugarcane Growers	Sayali Laxman Chandgude, K. S. Thorat, P. A. Sakhare	The Scientist NAAS: 6.85	Vol. 1(3): pp 4732-4736.
187	2023	Relationship between profile and adoption of recommended practices by groundnut growers	PS Dhadave, KS Thorat, SL Chandgude and PA Sakhare	The Pharma Innovation NAAS: 5.23	Vol. 12(1): pp 1514-1516
College of Agriculture Latur					
188	2022	Marketing cost, margin and price spread of maize in Aurangabad district of Maharashtra, India.	R.A.Thombre, J.B.Tawale, R.D.Shelke and S.H.Kamble	<i>The Pharma Innovation</i> NAAS 5.23	Vol. 12, Issue 12, : 2814-2816.
189	2022	Cost, return and profitability of maize cultivation in Aurangabad district of Maharashtra	R.A.Thombre, J.B.Tawale, R.D.Shelke and S.H.Kamble	<i>The Pharma Innovation</i> NAAS 5.23	Vol. 12, Issue 12, :2814-2816.
190	2022	Generation Mean analysis in Okra [<i>Abelmoschus esculentus</i> L. Moench]	SA Samindre, VS Jagtap, SN Deokar, SS Pisal and RS Jadhav	<i>The Pharma Innovation Journal</i> NAAS 5.23	11(12) 5758-5762
191	2022	Generation Mean analysis in bottle gourd [<i>Lagenaria siceraria</i> (Mol) Standl.]	SN Deokar, VS Jagtap, SA Samindre, SA Gaikwad and PR Sargar	<i>The Pharma Innovation Journal</i> NAAS 5.23	11(12) 5912-5916

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192	2022	Studies on heterosis for yield and yield contributing characters in brinjal (<i>Solanum melogena</i> L.)	RB Kolekar, SA Gaikwad , VR Girnare and VS Jagtap	<i>The Pharma Innovation Journal</i> NAAS 5.23	11(12) 3421-3425
193	2022	Genetics analysis for heritability and genetics advance studies in bottle gourd [<i>Lagenaria siceraria</i> (Mol) Standl.]	SN Deokar, VS Jagtap, SB Gaikwad, SA Samindre and VR Dhakane	<i>The Pharma Innovation Journal</i> NAAS 5.23	11(12) 6014-6016
194	2022	Heterosis and inbreeding depression analysis for fruit yield and its related attributes in Okra [<i>Abelmoschus esculentus</i> L. Moench]	SA Samindre, VS Jagtap, PR Sargar, SN Deokar and SS Pisal	<i>The Pharma Innovation Journal</i> NAAS 5.23	11(12) 5754-5757
195	2022	Effect of potting media and foliar application of nutrients in banana (<i>Musa paradisiaca</i> L.) for secondary hardening	Dapurkar ND, Shinde VN, Pisal SS and Naik KM	<i>The Pharma Innovation Journal</i> NAAS 5.23	11(12) 5214-5216
196	2022	Effect of fertilizer and chelated micronutrient on chemical parameters of pomegranate fruit (<i>Punica granatum</i> L.) Cv. Bhagwa	S B Pavhane, G M Waghmare, V N Shinde, V S Khandare, Syed Ismail and S S More	<i>The Pharma Innovation Journal</i> NAAS 5.23	11(3) 526-530
197	2022	Effect of silicon and nitrogen levels on growth of sorghum (<i>Sorghum bicolor</i> L) crop	Lingayat, .R., Takankhar, V.G., Chavan, N.S., Kadam D.M. and Pawar, B.V	<i>The Pharma Innovation Journal</i> . NAAS 5.23	11(12) 921-925
198	2022	Effect of foliar application of water soluble fertilizers on growth, nitrogen uptake and soil available nutrients of black gram (<i>Vigna mungo</i> L	Jaybhaye, B.B., Takankhar, V.G., Asati, N.P., Bodke, V.S. and Pidurkar, P.K.	<i>The Pharma Innovation Journal</i> . NAAS 5.23	11(12) 1586-1591
199	2022	Irrigation water quality evaluation from Renapur Tahsil of Latur district	Mutkule, U.S., Takankhar, V.G., Kadam D.M., Salunke, P.R. More, B.S. and Shelke, M.S.	<i>The Pharma Innovation Journal</i> . NAAS 5.23	11(8) 1678-1680

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200	2022	Effect of silicon and nitrogen levels on yield and quality of sorghum (<i>Sorghum bicolor</i> L) under Inceptisol	Lingayat, R., Takankhar, V.G., Kadam D.M., More, B.S., Salunke, P.R. and Chavan, N.S.	<i>The Pharma Innovation Journal</i> . NAAS 5.23	11(8) 2102-2107
201	2022	Studies on irrigation water quality of Chakur tahasil of Latur district	Salunke, P. R., Adsul, P. B., More B. S., Mutkule, U. S. and Lingayat, N. R.	<i>The Pharma Innovation Journal</i> , NAAS 5.23	11(6): 244-248
202	2022	To study the physico-chemical properties of soils of soybean growing areas from Renapur tahsil of Latur district, Maharashtra	More, B. S., Adsul, P. B., Salunke, P. R., Lingayat, N. R. and Mutkule, U. S.	<i>The Pharma Innovation Journal</i> , NAAS 5.23	11(6): 327-335
203	2022	Effect of iron and zinc on growth, yield and quality of soybean (<i>Glycine max</i> L.) in Inceptisol	Chavan, N. S., Adsul, P. B., Kadam, D. M., Lingayat, N. R. and Jaybhaye, B. B.	<i>The Pharma Innovation Journal</i> , NAAS 5.23	11(12): 1823-1830
204	2022	Effect of iron and zinc application on soil properties, nutrient uptake and yield of green gram (<i>Vigna radiata</i> L.) in Inceptisol	Boradkar, S. G., Adsul, P. B., Shelke, M. S., and Khule, Y. R.	<i>The Pharma Innovation Journal</i> NAAS 5.23	12(03): 1663-1669
205	2022	<i>In vitro</i> evaluation of bioagents and phytoextracts against <i>Alternaria cucumerina</i> , causing leaf blight of bottle guard	Babhare S.V. , A.P. Suryawanshi, Bobade S.S. and Chandurkar R.S.	<i>The Pharma Innovation Yes</i> NAAS 5.23	Volume :8, No.:4,
206	2022	Compatibility of <i>Rhizobium</i> spp with agrochemicals used to control chickpea wilt incited by <i>Fusariumoxysporum</i> f.sp. <i>ciceri</i> (Padwick) Snyder and Hansen	Bobade S.S, Chavan R.A., Babhare S.V., Gambhire V.S	<i>The Pharma Innovation Yes</i> NAAS 5.23	Volume :11, No.:2
207	2022	Growth and development of fall army worm <i>Spodoptera frugiperda</i> on cereals	D.R. Bankar and V.K. Bhamare	<i>Indian Journal of Entomology</i> NAAS 5.08	Aug. 2022, pp. 1-4, doi:10.55446/IJE.2022.656.

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208	2022	Survival and Development of <i>Helicoverpa armigera</i> (Hubner) On Public Sector BT Cotton Hybrids	B.A. Thakre and V.K. Bhamare	<i>Indian Journal of Entomology</i> NAAS 5.08	1–6. https://doi.org/10.55446/IJE.2022.684
209	2022	Effect of weather factors on seasonal incidence of sorghum shoot fly, <i>Atherigona soccata</i> Rondani on rabi sorghum in Maharashtra region of India	SK Meena, VK Bhamare, Ram Kishor Meena, Ravindra Kumar Meena, Akhter Hussain, SL Sharma and Archana Anokhe	The Pharma Innovation Journal NAAS 5.23	2022; 11(6S): 2305-2311.
210	2022	Life-tables of <i>Chilo partellus</i> (Swinhoe) infesting rabi sorghum	Meena, S. K. and Bhamare, V.K.	<i>Indian Journal of Entomology</i> . NAAS 5.08	1-5. https://doi.org/10.55446/IJE.2022.972
211	2022	Effect of weather parameters on population dynamics of sucking insect-pests and their natural enemies infesting rabi maize	VK Bhamare, DS Thengade, ND Zatale, VM Doke, SV Babhare, VS Gambhire and HN Patel	<i>The Pharma Innovation Journal</i> NAAS 5.23	2023; 12(1): 1007-1013
212	2022	Key mortality factors and field life-tables of hairy caterpillars infesting rabi sorghum in Maharashtra region of India	Sharad Kumar Meena, VK Bhamare, Vinod Kumar, Laxman Singh Saini and Thalluri Revanth Sri	<i>The Pharma Innovation Journal</i> NAAS 5.23	2023; 12(3): 3094-3097
213	2022	Effect of application of different insecticides on incidence of shoot fly <i>Atherigona soccata</i> (Rondani) on rabi sorghum	Yashwant SB, Sable AV, Bhamare VK, More DG and Magar SJ	<i>The Pharma Innovation Journal</i> NAAS 5.23	2023; 12(1): 3096-3102
214	2022	Key Mortality Factors of <i>Prospalta capensis</i> (Guenee) Infesting Safflower	R.P. Palkar and V. K. Bhamare	<i>Biological Forum – An International Journal</i> NAAS 5.11	15(2): 500-503 (2023)
215	2022	Population dynamics of whitefly <i>Bemisia tabaci</i> (Gennadius 1889) and characterization of their natural enemy community in transgenic <i>Bt</i> and non- <i>Bt</i> cotton	Santosh C. Kedar, R.K. Saini, K.M. Kumaranag, Datta M. Bawaskar, Vijay Bhamare and Omprakash Navik	<i>Phytoparasitica</i> https://www.researchsquare.com/article/rs-2678932/v1 INAAS7.81	DOI: https://doi.org/10.21203/rs.3.rs-2678932/v1 :1-19

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216	2022	Relationship of personal characteristics of farmers with knowledge of soil and water conservation practices in watershed development project area	IM Tamboli, JM Deshmukh and BL Pisure	<i>The Pharma Innovation</i> NAAS 5.23	SP-11(12)
217	2022	Constraints faced by the farmers in adoption of soil and water conservation practices in watershed development project area	IM Tamboli, JM Deshmukh and BL Pisure	<i>The Pharma Innovation</i> NAAS 5.23	SP-11(12)
218	2022	Relationship of personal characteristics of farmers with adoption of soil and water conservation practices in watershed development project area	IM Tamboli, JM Deshmukh and BL Pisure	<i>The Pharma Innovation</i> NAAS 5.23	SP-11(12)
219	2022	Constraints analysis of rural women in girls higher education	YS Patil and DD Suradkar	<i>The Pharma Innovation</i> NAAS 5.23	SP-11(6)
220	2022	Perceived effectiveness of drip irrigation system on turmeric growers of Hingoli district	Gore Shreyash Umesh, DD Suradkar and PG Jambhule	<i>The Pharma Innovation</i> NAAS 5.23	12(1)
221	2022	Relationship analysis of profile of Bt. cotton growers and knowledge of recommended cultivation practices	PG Jambhule, DD Suradkar, RB Pendam and KG Chaudhari	<i>The Pharma Innovation</i> NAAS 5.23	12(1)
222	2022	Association of profile of Bt. cotton growers and adoption of recommended package of practices	PG Jambhule, DD Suradkar and RB Pendam	<i>The Pharma Innovation</i> NAAS 5.23	12(1)
223	2022	Effect of different feed combination on growth performance of Deoni heifer calves	N S Chavan, D S Chauhan, S B Gajmal and P R Chavan	<i>The Pharma Innovation Journal</i> NAAS 5.23	11(12)
224	2022	Effect of feeding different concentrate mixture on growth performance of Deoni male calves	S B Gajmal, D S Chauhan, P R Chavan and N S Chavan	<i>The Pharma Innovation Journal</i> NAAS 5.23	11(12)

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225	2022	Buffalo marketing in Nanded district	R M Dhuppe, A T Shinde and L M Jadhao	<i>The Pharma Innovation Journal</i> NAAS 5.23	11(12)
226	2022	Constraints of buffalo marketing in Nanded district	R M Dhuppe, A T Shinde, S S Vanjari and L M Jadhao	<i>The Pharma Innovation Journal</i> NAAS 5.23	11(12)
227	2022	Effect of turmeric powder (<i>Curcuma longa</i>) as natural feed additive on growth performance of broilers	G B Tingare, A T Shinde, S B Bhalerao and M U Tanpure	<i>The Pharma Innovation Journal</i> NAAS 5.23	12(2)
228	2022	Diversity and foraging behaviour of safflower (<i>Carthamus tinctorius</i> L.) pollinators	AV More, DG More, SH Gore, ND Zatale and VS Gambhire	<i>The Pharma Innovation</i> NAAS 5.23	SP-11 (11) : 661-667
229	2022	Population dynamics of major insect-pests of safflower and their correlation with abiotic factors	AV More, DG More and SH Gore	<i>Scientist</i> NAAS 6.85	1 (3) : 6302-6310
230	2022	Economic threshold level for <i>Ureleucon compositae</i> infesting safflower	AV More, DG More and SH Gore	<i>Scientist</i> NAAS 6.85	1 (3) : 119-123
231	2022	Effect of soil and foliar application of zinc sulphate and ferrous sulphate on growth and yield of sunflower (<i>Helianthus annuus</i>)	R. S.Gawande, P.N.Karanjekar, P.S. Waghmare, A.P.Kokate, D.S.Sawant	The Pharma Innovation NAAS 5.23	11(1)
232	2022	Effect of plant growth regulators and micro-nutrients on fiber quality of high density planted Bt cotton (<i>Gossypium hirsutum</i> L.)	Shaikh Wasim Chand, P.N. Karanjekar, S.Y. Dhale, Mirza IAB and K.S. Baig	The Pharma Innovation NAAS 5.23	11 (7)
233	2022	Heterosis studies for yield and yield component traits in okra (<i>Abelmoschus esculentus</i> (L.) Moench).	Mundhe S.S., Pole S.P., Khandebharad P.R. and Patil A.R.	The Pharma Innovation Journal NAAS 5.23	11(12)
234	2022	Estimation of genetic variability, heritability and genetic advance for yield and yield contributing characters in sorghum (<i>Sorghum bicolor</i> L.).	Khandebharad P.R., Pole S.P. and Mundhe S.S., Gaiwal K.B. and Mali B.B.	The Pharma Innovation Journal NAAS 5.23	11(12)

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235	2022	Diallel analysis for yield and yield component traits in okra (<i>Abelmoschus esculentus</i> (L.) Moench).	Mundhe S.S., Pole S.P. and Khandebharad P.R.	The Pharma Innovation Journal NAAS 5.23	12(1)
236	2022	Genetic variability for quantitative traits in Linseed (<i>Linum usitatissimum</i> L.)	A.R. Patil, P.B. Wadikar, M.V. Rao and S.S. Patil	The Pharma Innovation Journal NAAS 5.23	2023: 12(1) Pp:488-490
237	2022	Studies on genetic stability and their relation to yield in Linseed (<i>Linum usitatissimum</i> L.)	M. Venkateswara Rao, P.B. Wadikar, A.R. Patil, G. Sai Charan and K. Yaswanth	The Pharma Innovation Journal NAAS 5.23	2023: 12(1) Pp:2043-2048
238	2022	Genetic divergence studies for quantitative traits in Linseed (<i>Linum usitatissimum</i> L.)	V.T. Dalvi, P.B. Wadikar, R.A. Thombare, R.S. Jadhav and K.B. Gaiwal	The Pharma Innovation Journal NAAS 5.23	2023: 12(1) Pp:4953-4956
College of Agriculture Badnapur					
239	2022	Value addition, break-even point and cost and return of processing of groundnut mill's in Maharashtra.	Gopal W Khorne, Rakesh D.Ahire and Balasaheb C.Andhare	The Pharma Innovation NAAS 5.03	SP-11 (10): 653-658
240	2022	Standardization of technology for manufacture of paneer from toned milk using sago powder	Maske T.A., Andhare B.C., Shinde S.P. and Shingare J.D.	The Pharma Innovation NAAS 5.03	SP-11 (9): 969-973
241	2022	Optimization of levels of paneer, butter and garden cress seed for manufacturing of paneer butter spread on the basis of sensory evaluation	Kamal A, Andhare B.C. and Shinde S.P.	The Pharma Innovation NAAS 5.03	2022 11 (12): 217-220
242	2022	Marketing of broiler and its scope in Latur tehsil of Latur district	P N Puram ,A.T. Shinde , B.C.Andhare and .S.Gajbhiye	The Pharma Innovation NAAS 5.03	2022 11 (12): 2675-2678
243	2022	Studies on physic-chemical properties of <i>Lassi</i> blended with jamun powder (<i>Syzygium cumini</i>)	S.C.Mane, B.C.Andhare, S.T.Mane and S.G.Khandagale	The Pharma Innovation NAAS 5.03	2022 11 (12): 4506-4510
244	2022	Studies on consumer response of <i>Lassi</i> blended with jamun powder	S.C.Mane, B.C.Andhare, and Tadavi Faruk	The Pharma Innovation NAAS 5.03	2022 11 (12): 4506-4510

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245	2022	Process standardization of <i>Lassi</i> blended with jamun powder	S.C.Mane, B.C.Andhare, and Tadavi Faruk	The Pharma Innovation NAAS 5.03	2022 11 (12): 4506-4510
246	2022	Constraints faced by beneficiary farmers in 'crop pest surveillance and advisory project' and suggestions to overcome the constraints	Sagar, SR Jakkawad and ND Deshmukh	The Pharma Innovation NAAS 5.03	-
247	2022	Response of maize to silicon application. J.Soils and Crops .	Mane,S.S.;Jadhav,K.T. and Markande,P.P.	<i>J.Curr.Microbiol.App.</i> NAAS 5.38	.32(1): 155-158.
248	2022	. Appraisal of soil fertility status of somthana dam area of Badanapur. J.Soils and Crops.	Mane,S.S.;Jadhav,K.T. and Markande,P.P.	<i>Sci</i> (2018) 7(2): xx-xx NAAS 5.38	32(2): 301-304.
249	2022	Effect of production constraints on seed yield and Economics of chickpea (<i>Cicer arietinum</i> L.)	PG Chavan, Mamta J Patange, VB Patole and PN Karanjikar	The Pharma Innovation Journal NAAS 5.23	11(2): 1526-1529
250	2023	Determinants of farm women about participation in agricultural activities decision making process.	Gohade GR, Deshmukh ND, Kadam RP, Hiwarale AS and Vaidya NG	The Pharma Innovation NAAS 5.03	
College of Agriculture Golegaon					
251	2022	Effect of soybean: Pigeonpea strip cropping on growth parameters, yield attributes and yield under mechanization.	S Y Dhale, B V Asewar, Shaikh Wasim Chand, IAB Mirza and WN Narkhede	The Pharma Innovation Journal. NAAS -5.36	11(7), 684-687
252	2022	Studies on earliness of Bt cotton as influenced by moisture conservation practices and fertilizer levels under rainfed condition.	A. D. Pandagale, B. V. Asewar, K. S. Baig, I. A. B. Mirza and S. S. Rathod.	International Journal of Plant and Soil Science, NAAS – 5.07	34(10): 150-158.
253	2022	Effect of soybean: Pigeonpea strip cropping on growth parameters, yield attributes and yield under mechanization	SY Dhale, BV Asewar, Shaikh Wasim Chand, IAB Mirza and WN Narkhede	The Pharma Innovations NAAS - 5.31	11(7): 684-687

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254	2022	Effect of rainfall variability on cotton production and productivity in Marathwada region	PS Ghanwat, BV Asewar and AN Jondhale	The Pharma Innovations NAAS - 5.31	11(10): 536-539
255	2022	Development of regression model to predict BT cotton (<i>Gossypium</i> spp.) yield using meteorological variables for Parbhani and Nanded locations	SV Gholap, BV Asewar and AS Kale	The Pharma Innovations NAAS - 5.31	11(10): 1333-1337
256	2022	Effect of mechanization and land configuration on growth of soybean (<i>Glycine max</i> (L.) Merrill)	SB Thoke, BV Asewar, PP Shinde and RM Poul	The Pharma Innovations NAAS - 5.31	11(12): 5344-5347
257	2022	Studies on Earliness of <i>Bt</i> Cotton Influenced by Moisture Conservation and Fertilizer Levels under Rainfed Condition	A. D. Pandagale a, B. V. Asewar b, K. S. Baig a, I. A. B. Mirza b and S. S. Rathod a	<i>International Journal of Plant and Soil Science</i> NAAS - 5.0	34(10): 150-158
258	2022	Impact of different plant densities and nutrient levels on growth and yield of little millet (<i>Panicum sumatrense</i>)	Syed Shreen. J R, Asewar B V, Aher K P and Sachin S	<i>The Pharma Innovations</i> NAAS - 5.31	11 (12) 3052-3055
259	2022	Combining ability studies in ridge gourd (<i>Luffa acutangula</i> L.) 2022:11(3):1210-1215	Bhalerao R.V. , Waskara D.P., and Borgaonkar S.B.	<i>The Pharma Innovation Journal</i> NAAS -5.23	2022:11(3):1210-1215
260	2022	Heterosis studies for yield and yield contributing traits in ridge gourd (<i>Luffa acutangula</i> L.)	Bhalerao R.V. , Waskara D.P., and Khandare V.S.	<i>The Pharma Innovation Journal</i> ; NAAS -5.23	11(3): 987-992
261	2022	Heterosis studies for yield and yield component in okra (<i>Abelmoschus esculentus</i> (L.) Moench);	MA Kharat, RV Bhalerao, D R Bhise and PA Sasane	<i>The Pharma Innovation Journal</i> NAAS 5.23	11(12): 2251-2258
262	2022	Response of broccoli (<i>Brassica oleracea</i> L. var. <i>italica</i>) to various coloured plastic mulch and organic mulch on yield and yield attributing traits.;	Bansod VU, Bhalerao RV, Naik KM and Pisal SS	<i>The Pharma Innovation Journal</i> NAAS -5.23	11(12): 4078-4080

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263	2022	Influence of different shades of inorganic mulch and organic mulch on growth attributing traits of broccoli (<i>Brassica oleracea L. var. italica</i>)	Bansod VU, Bhalerao RV, Jadhav MS and Dapurkar ND	<i>The Pharma Innovation Journal</i> ; NAAS -5.23	11(12): 4310-4312
264	2022	Genetic variability, heritability, and genetic advance for selection parameters of okra (<i>Abelmoschus esculents (L.) Moench</i>) genotype	MA Kharat, DK Zate, RV Bhalerao and DR Bhise	<i>The Pharma Innovation Journal</i> ; NAAS -5.23	11(12): 3718-3723
265	2022	Effects of Natural Ageing on Seed Moisture Percentage of Soybean	S.N. Devkule*, R. C. Mahajan and G. W. Narkhede	<i>Multilogic in Science</i> VOL. XII, ISSUE XXXIV, Oct 2022 NAAS -5.20	ISSN 2277-7601, 280-281
266	2022	Effects of artificial ageing on seed moisture percentage of soybean,	S. N. Devkule*, R. C. Mahajan, H. V. Kalpande and G. W. Narkhede.,	<i>Multilogic in Science</i> VOL. XII, ISSUE XXXIV, Oct 2022 NAAS -5.20	ISSN 2277-7601, 261-264
267	2023	Response of different little millet (<i>Panicum sumatrense L.</i>) varieties to fertilizer levels	Sachin S, Asewar BV and Syed Shireen JR	<i>The Pharma Innovation Journal</i> ; NAAS -5.23	12(1): 1590-1592
VDCOA Biotech Latur					
268	2022	<u>First Report of <i>Neoscytalidium dimidiatum</i> Causing Stem Canker of Dragon fruit (<i>Hylocereus spp.</i>) in India</u>	VN Salunkhe, YS Bhagat, SB Chavan, SG Lonkar, VD Kakade	Plant Disease (NAAS Rating: 10.61).	DOI: 10.1094/PDIS-04-22-0
269	2022	Metabolomic profiling of drought-tolerant little millet (<i>Panicum sumatrense L.</i>) genotype in response to drought stress	Dhawale R. N., Padhiyar Shital M., Kheni Jasminkumar and Tomar R. S.	The Pharma Innovation Journal (NAAS: 5.23)	11(4): 1754-1762
270	2022	Assessing genetic diversity in wheat genotypes by using molecular markers (RAPD and SSR)	Kalyani More, AA Bharose, Balaji Jadhav and SM Umate	The Pharma Innovation Journal (NAAS: 5.23)	11(3)

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271	2022	Screening of Wheat (<i>Triticum aestivum</i> L.) genotypes for Heat Tolerance Trait by Physio-molecular Markers.	Kalyani More, Bharose A.A., Balaji Jadhav and Hanuman Malge	Biological Forum – An International Journal (NAAS: 5.11)	14(2): 63-68
272	2022	Assessment of genetic diversity and volatile content of commercially grown banana (<i>Musa</i> spp.) cultivars	Hinge, V.R., Shaikh, I. M., Chavhan, R. L., Deshmukh, A. S., Shelake, R. M., Ghuge, S. A., and Kadam, U. S.	Scientific Reports (NAAS Rating: 11.0)	Vol 12(1), 1-16.
273	2022	Genetic diversity analysis in chickpea (<i>Cicer arietinum</i> L.)	JK Dawane, JE Jahagirdar, BK Dawane and DG Kale	The Pharma Innovation (NAAS Rating: 5.58)	11(12) 2888-2890
274	2022	Multi-trait multi environment analysis for stability in MABC lines of Chickpea (<i>Cicer arietinum</i>)	J Jorben, Apoorva Rao, C Bharadwaj, S D Nitesh, Neha Tiwari, Tapan Kumar, D R Saxena, M Yasin, P L Sontakke, Jagdish E Jahagirdar And V S Hegde	Ind J agric Sc. (NAAS Rating: 10.4)	92-8 1005-09
275	2022	Study of Inheritance for Fertility Restoration in <i>Cajanus scarabaeoides</i> Cytoplasm based Pigeonpea [<i>Cajanus cajan</i> (L.) Millsp)] Hybrids	D. K. Patil, H. V. Kalpande and J. E. Jahagirdar	Int.J.Curr.Microbiol.Ap p.Sci (NAAS Rating: 10.4)	11(01) 85-92
276	2022	Fibre quality evaluation of BG II converted 152 <i>G. hirsutum</i> cotton lines in F6 generation with presence of Cry1Ac and Cry2Ab insect resistant transgene	AR Gaikwad, KS Baig, JE Jahagirdar,	The Pharma Innovation Journal (NAAS Rating: 5.48)	11(12) 3888-95
277	2022	Multi-trait multi environment analysis for stability in MABC lines of Chickpea (<i>Cicer arietinum</i>)	J Jorben, Apoorva Rao, C Bharadwaj, S D Nitesh Neha Tiwari, Tapan Kumar, D R Saxena, M Yasin, P L Sontakke, Jagdish E Jahagirdar and V S Hegde	Indian Journal of Agricultural Sciences (NAAS Rating: 10.57)	92 (8): 1005–1009

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278	2022	Study of Inheritance for Fertility Restoration in <i>Cajanus scarabaeoides</i> Cytoplasm based Pigeonpea [<i>Cajanus cajan</i> (L.) Millsp)] Hybrids	D. K. Patil, H. V. Kalpande and J. E. Jahagirdar	Int.J.Curr.Microbiol.Ap p.Sci (NAAS Rating: 5.88)	11(01): 85-92
279	2023	Multiplex molecular marker-assisted analysis of significant pathogens of cotton (<i>Gossypium</i> sp.).	Chavhan, R. L., Sable, S., Narwade, A. V., Hinge, V. R., Kalbande, B. B., Mukherjee, A. K., ... and Kadam, U. S.	Biocatalysis and Agricultural Biotechnology (NAAS Rating: 9.28)	Vol 47, 102557
280	2023	Multiplex molecular marker-assisted analysis of significant pathogens of cotton (<i>Gossypium</i> sp.),	R.L. Chavhan, S. Sable, A.V. Narwade, V.R. Hinge, B.B. Kalbande, A.K. Mukherjee, P.K. Chakrabarty, Ph.D., Ulhas S. Kadam (2023).	Biocatalysis and Agricultural Biotechnology (NAAS Rating: 9.28)	47:102557
281	2023	Assessment of correlation in seed yield and yield contributing characters in mung bean (<i>Vigna radiata</i> L.)	Sandeep R Kadam, Jagdish E Jahagirdar, Hirakant V Kalpande	The Pharma Innovation (NAAS Rating: 5.58)	12(2) 51-52
282	2023	<u>First Report of <i>Colletotrichum truncatum</i> Causing Anthracnose of Dragon Fruit (<i>Hylocereus</i> spp.) in India</u>	VN Salunkhe, YS Bhagat, SG Lonkar, VD Kakade, SB Chvan, SA Konchewad, DD nangare	Plant Disease (NAAS Rating: 10.61)	https://doi.org/10.1094/PDIS-04-22-0809-PDN
College Community Science, Parbhani					
283	2022	Impact of TV viewing on children and methods adopted for preventing excessive TV viewing.	Deshmukh p. and Bangale J.	The Pharma Innovation Jr. NAAS: 5.23.	Vol.11(4) pp. 1412-1417
284	2022	Genral TV Viewing Patterns of Rural School Going Children	Bangale J. and Deshumkh P.	Int.J.of current Microbiology and Applied Sciences. NAAS-5.38	Vol.11 (3)

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285	2022	Involvement of Rural Children in Recreational Play Activities and their views about it	Bangale J. and Devkate S.	Int.J. of current Microbiology and Applied Sciences. NAAS-5.38	Vol. 11(04) pp. 165-173
286	2022	On –screen leisure time activities of rural school going children and their opinions about them.	Devkate S.S. and Bangale J.R.	The Pharma Innovation Jr. NAAS: 5.23.	Vol.11(9) pp.2735-2739.
287	2022	Profile characteristics of farmers regarding solar energy utilization in farming system	Zade PM, Puri S.G. and Bhosale GB	The Pharma Innovation Journal NAAS :5.23	Vol. 11(1): 219-222
288	2022	Correlation analysis of the turmeric growers regarding knowledge and adoption of post- harvest technology	Barme SB, Manvar VS and Kharge AP	The Pharma Innovation Journal NAAS: 5.23	11(3): 395-400
289	2022	Entrepreneurial behavior of sericulturists in Parbhani district	Gadhawe AV, Puri SG and Zade PM	The Pharma Innovation Journal NAAS :5.23	Vol.11(4): 1394-1397
290	2023	Relationship between profile of pomegranate cultivators and technological gap in adoption of improved pomegranate cultivation practices	Jadhav RR, Puri SG and Rajput MO	The Pharma Innovation Journal NAAS :5.23	Vol.12(2): 1061-1063
291	2023	Technological gap in adoption of improved pomegranate cultivation practices	Jadhav RR, Puri S.G. and Dr. Kadam R.P.	The Pharma Innovation Journal NAAS :5.23	12(3): 1737-1739
292	2023	Constraints faced by sweet orange growers in adoption of recommended cultivation practices of sweet orange	Hiwarale AS, Manvar VS, Gohade GR, Hadollikar SB and Vaidya NG	The Pharma Innovation Journal NAAS: 5.23	12(1): 1448-1449

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293	2023	Relationship between the Profile of sweet orange growers with their extent of technological gap	Hiwarale AS, Manvar VS, Kadam RP, Hadolikor SB and Gohade GR	The Pharma Innovation Journal NAAS: 5.23	12(1): 1438-1441
294	2023	Study on profile of sweet orange grower	Hiwarale AS, Manvar VS, Vaidya NG, Sakhare SS and Gohade GR	The Pharma Innovation Journal NAAS: 5.23	12(1): 1442-1444
295	2023	Technological gap in adoption of recommended cultivation practices of sweet orange growers	Hiwarale AS, Manvar VS, Bhosale GB, Hadolikor SB and Gohade GR	The Pharma Innovation Journal NAAS: 5.23	12(1): 1434-1437
College of Agriculture Engineering and Techonology Parbhani					
296	2022	Optimization of process technology for popping of sorghum of Parbhani Jyoti variety	R.A.Gosavi, S.U.Khodke	<i>Scientist</i> NAAS 7.71	2(2):561-57508903670
297	2022	Identification of variety of soybean for the production of quality puffed soynuts	Nilza Othzes, Smita Khodke, Madhuri Gajabe	<i>The Pharma Innovation</i> NAAS 5.23,	11(12): 1192-1197, ISSN: 2319-7706
298	2022	Effect of freezing and thawing time on mass transfer and loss of shrinkage of osmo-convectively dehydrated carrot slices	T D Kumavat, P G More	Scientist. NAAS7.72	2(2):614-618 /
299	2022	“Design and development of android based mobile application for farmers.”	Solanki S. N. , Ramteke R. T., A.C.Kakde	<i>Accepted for Computerapplication in Engineering Education</i> NAAS 7.58	
300	2022	Assessment of AquaCrop model for Irrigated cotton under deficit irrigation in semi-arid tropics of Maharashtra	R. N. Jadhav, S.B. Jadhav H.W. Awari , V.K. Ingle U.M. Khodke	International Journal of Curr. Microbiology and applied sciences NAAS 5.38	Vol. 11(1) Page No. 123-135

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301	2022	Spatial Distribution of Reference Evapotranspiration for Aurangabad District	Balaji Jawale, V.K. Ingle H.W. Awari , U. M. Khodke	International Journal of Curr. Microbiology and applied sciences NAAS 5.38	Volume 11(01): 50-60
302	2022	Crop Growth Simulation Modelling - A Review	Bhagwan Sangale, U. M. Khodke, V.K. Ingle H. W. Awari	International Journal of Curr. Microbiology and applied sciences NAAS 5.38	Volume 11(01): 78-84
303	2023	Effect of blanching time on quality parameter of blanched carrot slices	P.G. More, S.U. Khodke	<i>The Pharma Innovation Journal</i> NAAS 5.23	12(1): 1699-1702 /
304	2023	Influence of different Freezing and Thawing condition on Texture, Colour and Sensory Parameters of Osmo-convectively Dehydrated Carrot Slices	T.D. Kumavat, P.G. More and S.B. Jadhav	<i>Biological Forum – An International Journal</i> NAAS 5.11	15(2): 609-613 /
305	2023	Application of solar Energy for operating animal drawn agro-processing unit: Papadmakingmachine	R.G.Gethe, S.N.solanki andR.T.Ramteke.	<i>The Pharma Innovation Journal</i> NAAS 5.23	12(1) 835-839
306	2023	Evaluation of physical properties of different varieties of sorghum grain	R.A.Gosavi, S.U.Khodke	<i>The Pharma Innovation Journal</i> NAAS 5.23	12(2):952-956,
307	2023	Performance and evaluation of VNMKV, UAE developed bullock drawn turmeric planter	G.V.Kambale P.A.Munde S.N.Soalnki	The Pharma Innovation Journal NAAS: 5.23	12(1): 131-136
308	2023	Comparison of cost of planting in developed planter with respect to traditional methods	G.V.Kambale P.A.Munde	The Pharma Innovation Journal NAAS 5.23	12(1): 2627-2632

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College of Food Technology, Parbhani					
309	2022	Pulse protein sarenovel ingredients to develop functional food and beverage	Swaroop, G andV.S.Pawar	The Pharma Innovation Journal NAAS:5.23	11(8):1683-1690
310	2022	A review on finger millet (<i>Eleusinecoracana L.</i>) its varieties, nutrient composition,cooking qualities and health benefits.	Wadmare,V.B.,Pawar, V.S.and Shinde,I.N.	The Pharma Innovation Journal NAAS:5.23	11(7)3223-3227
311	2022	Wonder millets-Pearl Millet,Fingermillet and Foxtail millet,Nutritional profile and its role in health promotion:	Bachate,A.H.,V.S. Pawar,Kale,P.R andLandage, R.M.	Biological Forum-An International Journal NAAS:5.11	14(4a):251-257
312	2022	Formulation and organoloptice valuation of legume blendpapad.	LandgeA.R.,SadawarteS.K.,Paw ar V.S.andJoshiP.T.	The Pharma Innovation Journal NAAS:5.23	11(12):698-701
313	2022	Effect of malting on nutritional propeties of Quinoa (<i>Chenopodium Quinoa</i>).	Wanole P.D.,Pawar V.S.and Dhadke S.G.	Biological Forum-An International Journal NAAS:5.11	14(4a):104-108
314	2022	Physicochemical, functional and nutritional properties of millet grains	Mane,R.P, Kshirsagar,R.B., Patil,B.M., Agarkar, B.S.and Katke ,S.D	The Pharma Innovation Journal NAAS:5.23	11(11):1569-1600
315	2022	Studies on preparation of <i>Sesbania grandiflora</i> flower and leaves powder and evaluation of its physical, Functional and reconstititional properties	Bhokre, C.K., Gadhe,K.S., Joshi, A.A. and Ghatge,P.U.	Biological forum-An International Journal NAAS:5.11	14(4)845-851
316	2022	Assessment of nutritional and phytochemical properties of <i>Sesbania grandiflora</i> flowers and leaves	Chandralekha Bhokre, Kailash Gadhe and Anuprita Joshi	The Pharma Innovation Journal NAAS:5.23	11(6):90-94

Research Support

317	2022	Comparative evaluation of baking and functional qualities of black wheat flour	A.A.Joshi, R.B. Kshirsagar, S.K.Sadawarte, B.M.Patil and A.R.Sawate	The Pharma Innovation Journal NAAS:5.23	11(3):229-234
318	2022	A review on potential microbial sourced biocolors from fungi	Monishdeep, V. H.W.Deshpande, A.Poshadri and Pawankumar, B.V	The Pharma Innovation Journal NAAS:5.23	11(9):3200-3205
319	2022	Development of Golden A2 milk blended with fresh turmeric rhizome juice and its nutritional evaluation	Giri,S.A., Kshirsagar, R.B. and B.M.Patil	The Pharma Innovation Journal NAAS:5.23	11(12):350-353
320	2022	A review on” Frozen yoghurt smoothie- An innovative functional food”	Raksh, G.P., Deshpande, H.W., Poshadri, A, Monishdeep, V.	International Journal of Food Science and Nutrition NAAS:5.0	7(3):194-200
321	2022	Effect of processing methods on nutritional and organoleptic properties of soymilk beverage	Shinde,S.B, Kshirsagar, R.B, Agarakar, B.S. and Patil, B.M	The Pharma Innovation Journal NAAS:5.23	11(11):56-59
322	2022	Studies on standardization of malting process for quiano seeds (<i>Chinopodium quinoa</i>)	Wanole P.D., Pawar,V.S.,Dhadke,S.G. and Raksha, G.P	The Pharma Innovation Journal NAAS:5.23	11(12):423-427
323	2022	Studies on effect of different processing treatment on nutritional quality of sorghum, green-gram and sesame seed.	P.T.Joshi,S.K. Sadawarte, A.R.Landge and V.S.Pawar	The Pharma Innovation Journal NAAS:5.23	11(12):271-274
324	2022	Development and optimization of sorghum-flakes based nutritbar for physicochemical and organoleptic evaluation.	Joshi P.T., Sadawarte S.K., Pawar V.S. and GiriS.A.	Biological Forum-An International Journal NAAS:5.11	14(4):1162-1165
325	2022	Effect of Popping on Nutritional Composition of Sorghum.	Dhadke S.G.*,Pawar V.S.and Wanole P.D.	Biological Forum-An International Journal NAAS:5.11	14(4):1199-1202

Research Support

326	2022	Biochemical characterization, organoleptic evaluation and functional properties of health beverage mix	Gaikwad,S.S, Ghatge, P.U, Anerao,K.K.and Gadhe,K.S.	The Pharma Innovation Journal NAAS:5.23	11(11):164-168
327	2022	Physicochemical properties and nutritional variance of different genotypes of Indian major Millet (Jowar)	Anerao,K.K.,Gadhe,K.S,Gaikwad,S.S., Kamble,R.E.and Dhutmal,R.R.	The Pharma Innovation Journal NAAS:5.23	11(11):157-163
327	2022	Formulation and nutritional evaluation of Instant upma mix from popped sorghum	Dhadke,S.G.,Pawar, V.S.and Wanole, P.D.	The Pharma Innovation Journal NAAS:5.23	11(12):437-439
329	2022	Evaluation of nutritional, physicochemical and functional properties of yam flour	R.M..Lolge, B.S.Agarkar,R.B. Kshirsagar and B.M.Patil	Biological Forum– An International Journal NAAS:5.11	14(4a):258-263
330	2022	Technology development for preparation of instant soup mixpowder from yam,drumstick leaves and rosellecalyces	R.M..Lolge, B.S. Agarkar,R.B. Kshirsagar,B.M. Patil and S.B.Shinde	The Pharma Innovation Journal NAAS:5.23	11(12):676-681
331	2022	Studies on formulation and organoleptic evaluation of golden A2 milk with soymilk and turmeric rhizome	Giri,S.A.,Kshirsagar, R.B. and Agarkar,B.S.	Biological Forum-An International Journal NAAS:5.11	14(4a):86-90
331	2023	Physicochemical properties of legumes (Viz.,blackgramsplits, mothbean splits and fenugreek seeds)	Landge A.R., Sadawarte S.K.and PawarV.S.	The Pharma Innovation Journal NAAS:5.23	12(1):560-563
333	2023	Sensory evaluation of the steamed ragi-oats foods construct by using fuzzy logic method	Rashika Rautela.B.S.Agarkar,R.B. Kshirsagar and shweta Solanke	The Pharma Innovation Journal NAAS:5.23	12(2):1445-1451
334	2023	Effect of germination on antinutritional,colour, functional and physicochemical properties of millets	Mane,R.P., Kshirsagar,R.B., Agarkar,B.S.,Patil, B.M.and katke,S.D.	The Pharma Innovation Journal NAAS:5.23	12(1):350-355

Research Support

ATIC PARBHANI					
335	2022	Yield enhancement of pigeonpea [<i>Cajanus cajan</i> (L.) Millsp. through drip irrigation and fertigation management	G.D. Gadade, D.N. Gokhale and A.S.Kadale	<i>Legume research</i> NAAS 6.59	45 (4) : 462-468
336	2022	Knowledge of farmers regarding Biomix	Borase G.S. Kulkarni MV and Kharge AP	<i>The Pharma Innovation journal</i> NAAS 5.33	SP-11(3) : 303-306
KVK BADNAPUR					
337	2022	Process standardization of lassi using Jamun powder	SC Mane, BC Andhare and Tadavi Faruk	<i>The Pharma Innovation Journal</i> NAAS 5.33	11(12): 5841-5844
338	2022	Studies on consumer response of lassi blended with jamun powder	SC Mane, BC Andhare and Tadavi Faruk	<i>The Pharma Innovation Journal</i> NAAS 5.33	11(12): 5849-5852
EXTENTION AGRONOMIST AMBAJOGAI					
339	2022	Effect of zinc sulphate and ferrous sulphate on growth and yield of sunflower	PS Waghmare, VP Suryavanshi, RS Gawande, DS Sawant and AP Kokate	<i>The Pharma Innovation Journal</i> (NAAS: 5.23)	11(1): 1334-1336
340	2022	Response of gram (<i>Cicer arietinum</i> L.) to STCR based fertilizer application	Arpita Kokate, VP Suryavanshi and Dipa Sawant, Rasika Gawande and PriyaWaghmare	<i>The Pharma Innovation Journal</i> (NAAS: 5.23)	11(1): 1150-1152
KVK KHAMGAON					
341	2022	Impact of Front Line Demonstration on Yield and Economics of Pigeonpea Variety (BDN 711) in Beed District of Maharashtra, India	Garud H.S, B.B. Gaikwad, T.B. Surpam, K.L.Jagtap and D.C. Patgaonkar	<i>Int.J.Curr.Micro. biol. App. Sci</i> NAA S 5.38	Volume 11 (10): 192-195
342	2022	Morphophenological characters and productivity of pigeonpea (<i>Cajanus cajan</i> (L.) Millsp.) as influenced by crop geometry and plant growth regulators	S.U. Pawar, W.N. Narkhede, H.S. Garud, B.V.Asewar	<i>Legume Research- An International Journal</i> NAAS 6.53	Volume 45 Issue 7: 883-887

6.6.3.4.1 Citation/h-Index and i10-index of the University (VNMKV, Parbhani)



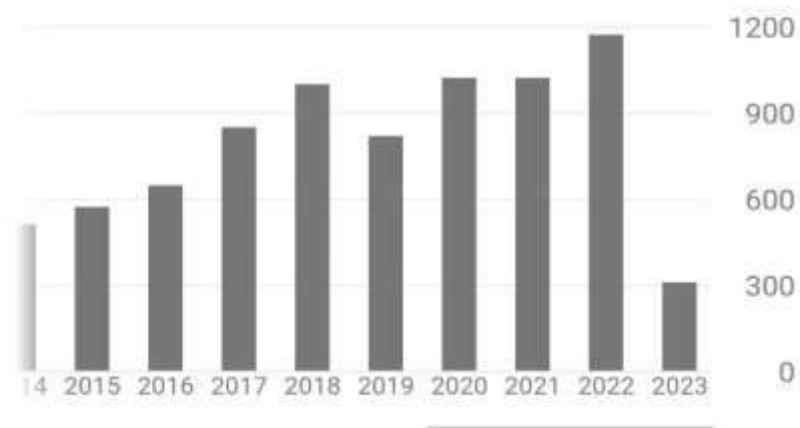
VNMKV Parbhani

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Agriculture Sciences

ARTICLES **CITED BY** CO-AUTHORS

	All	Since 2018
Citations	10172	5368
h-index	40	26
i10-index	265	137



6.6.3.5 Innovation and Best Practices :-

1. Broad Bed and Furrow (BBF) planter 4 in one 5 row

Four in One, five row BBF planter was developed by this Univeristy for sowing of soybean and resulted in yield advantage of 25 per cnt with seed saving of 20 %

2. Bio- mix

Biomix a bioagent consortia product produced by the department of plant pathology, VNMKV, Parbhani. Based on the performance, literature and the problems of turmeric growing farmers improved Biomix was formulated by adding Biofungicides, Biopesticides and growth promoting Bioagents. According to the results obtained in different experiments of Biomix, it is most feasible to apply this consortia in farmer's fields. Biomix is the consortia of different beneficial microbes like *Trichoderma* spp, *Pseudomonas fluorescens*, *PPFM*, *Paecilomyces lilacinus* *Metarhizium anisopliae*. *Azospirillum*, *Gluconacetobacter* spp. *Aspergillus niger* and *Pseudomonas striata*. These microbes induced systemic resistance in plants and antimicrobial activity against foliar pathogen. These microbes not only make available different nutrients for the plant but also mobilize major and minor nutrients in soil. The new developed consortia made revolution in the production of turmeric. On the basis of experience of farmers, it is effective against turmeric rhizome rot, dry root rot, white grub, ginger, pomegranate, grape, tomato and many other crops. It is also effective against all soil borne pathogens viz. *Fusarium* spp. causing wilt diseases, *Pythium* spp., *Rhizoctonia* spp. and *Sclerotium* spp. Effective against sucking complex viz. Aphid, Jassids, Mealy bugs, Thrips etc. in all types of crop and on lepidopteran pest. It also improves the soil condition. The receipt generated through sale of this biomix and number of farmers used this biomix is given below.

Receipt of Biomix in last five years

Sr. No	Year	Annual Sales (Rs.)	No. of Farmers
1.	2018-19	14141980	7500
2.	2019-20	19205840	11531
3.	2020-21	29365725	14686
4.	2021-22	41692840	23250
5.	2022-23	28779886	13878

3. Bio-fertilizers

1. Introduction of different liquid biofertilizers developed at VNMKV, Parbhani centre.

A) Rhizobium:

- Microbial constituent:** Nitrogen fixing rhizobial strains
- Type :** liquid formulation; 1×10^9 cfu/ml
- Shelf life:** 12 months at 25°C to 35°C
- Target crops:** Specific rhizobia for of the pulse crop viz., Green gram, Black gram, Soybean, Pigeon pea, Ground nut and Gram

- v. **Method of application:**Seed treatment (50 ml/10 kg seed for soybean and Ground nut and 100/10 kg seed for other pulses)

Benefits: Increases yield by 10-15%

Cost: Rs.37.50 per 100 ml

B) Azotobacter:

i. **Microbial constituent:** *Azotobacter chroococcum*

ii. **Type :** liquid formulation; 1×10^9 cfu/ml

iii. **Shelf life:** 12 months at 25⁰C to 35⁰C

iv. **Target crops:** Sorghum, wheat, Maize Rice, Turmeric and fruit crops

v. **Method of application:** Seed treatment (100/10 kg seed for Sorghum, wheat, Maize Rice and 1 litre/acre through drip irrigation or drenching to turmeric and fruit crops)

Benefits: Increases yield by 10-12%

Cost: Rs.37.50 per 100 ml

C) Phosphorus solubilizing bacteria:

i. **Microbial constituent:** *Bacillus megatarium*

ii. **Type :** liquid formulation; 1×10^9 cfu/ml

iii. **Shelf life:** 12 months at 25⁰C to 35⁰C

iv. **Target crops:** Sorghum, wheat, Maize Rice, all Pulses, Turmeric, fruit and vegetable crops

v. **Method of application:** Seed treatment (50 ml/10 kg seed for soybean and Ground nut and 100/10 kg seed for Sorghum, wheat, Maize, Rice and other pulses and 1 litre/acre through drip irrigation or drenching to turmeric, fruit and vegetable crops)

Benefits: Increases yield by 10-15%

Cost: Rs.37.50 per 100

D) Potassium solubilizing bacteria:

i. **Microbial constituent:** *Fraturia aurantia*

ii. **Type :** liquid formulation; 1×10^9 cfu/ml

iii. **Shelf life:** 12 months at 25⁰C to 35⁰C

iv. **Target crops:** Sorghum, wheat, Maize Rice, all Pulses, Turmeric, fruit and vegetable crops

v. **Method of application:** Seed treatment (50 ml/10 kg seed for soybean and Ground nut and 100/10 kg seed for Sorghum, wheat, Maize, Rice and other pulses)

and 1 litre/acre through drip irrigation or drenching to turmeric, fruit and vegetable crops)

Benefits: Increases yield by 10-12%

Cost: Rs.37.50 per 100

E) Zinc solubilizing bacteria:

i. Microbial constituent: *Pseudomonas striata*

ii.Type : liquid formulation; 1×10^9 cfu/ml

iii.Shelf life: 12 months at 25⁰C to 35⁰C

iv.Target crops: Sorghum, wheat, Maize Rice, all Pulses, Turmeric , fruit and vegetable crops

v.Method of application: Seed treatment (50 ml/10 kg seed for soybean and Ground nut and 100/10 kg seed for Sorghum, wheat, Maize, Rice and other pulses and 1 litre/acre through drip irrigation or drenching to turmeric, fruit and vegetable crops)

Benefits: Increases yield by 10-15%

Cost: Rs.37.50 per 100

F) Rhizophos microbial Consortium:

i. Microbial constituent: *Rhizobium spp.* and *Bacillus megaterium*

ii.Type : liquid formulation; 1×10^9 cfu/ml

iii.Shelf life: 12 months at 25⁰C to 35⁰C

iv.Target crops: Green gram, Black gram, Soybean, Pigeon pea, Ground nut and Gram

v.Method of application: Seed treatment (100 ml/10 kg seed for soybean and Ground nut and 200/10 kg seed for other pulses)

Benefits: Increases yield by 10-15%

Cost: Rs.37.50 per 100

G) Azotophos microbial Consortium:

i. Microbial constituent: *Azotobacter chroococcum* and *Bacillus megaterium*

ii.Type : liquid formulation; 1×10^9 cfu/ml

iii.Shelf life: 12 months at 25⁰C to 35⁰C

iv.Target crops: Sorghum, wheat, Maize Rice, Turmeric and fruit crops

v.Method of application: Seed treatment (200 ml/10 kg seed for Sorghum, wheat, Maize and Rice)

Benefits: Increases yield by 10-15%

Cost: Rs.37.50 per 100

H) Bio NPK:

i. Microbial constituent: *Azotobacter chroococcum*, *Bacillus megaterium* and *Fraturia aurantia*

ii.Type : liquid formulation; 1×10^9 cfu/ml

iii.Shelf life: 12 months at 25⁰C to 35⁰C

iv.Target crops: Sorghum, wheat, Maize Rice, Turmeric and fruit and vegetable crops

v.Method of application: Seed treatment (200 ml/10 kg seed for Sorghum, wheat, Maize and Rice and 2 litre/acre through drip irrigation or drenching to turmeric, fruit and vegetable crops)

Benefits: Increases yield by 10-15%

Cost: Rs.375 per lit.

Year wise liquid biofertilizer production in quantitative terms and revenue generation

Year	Quantity (Ltr.)	Revenue generation (Rs.in lakh)
2018-19	1528	5.73
2019-20	1739	6.52
2020-21	3550	13.31
2021-22	4304	16.14
2022-23	2766	10.37

4. Bore well recharging system

Runoff water allows entering in primary filter unit wherein the major sediments were arrested and water flows to the secondary filter unit. Secondary filter unit consist of excavation of soil around the bore well casing pipe by 2.5 m depth and 1.5 diameter. From the bottom, up to 50 cm height, small holes are made with pointer at a spacing of 5 cm and this casing pipe is wrapped with nylon mesh. Then the pit is filled with 4 layers of big stone, metal, gravel sand and fine sand one above each. On the top, the unit is covered with cement ring for not allowing the sediment from the flowing water.

5. Application of Cetyl Alcohol for reducing water loss due to evaporation in Farm pond

Application of Cetyl alcohol @ 20 mg/square meter on top surface of water in farm pond after every 10 days reduces water loss up to 50 % during October and from January to March in every year. Cetyl alcohol being a fatty alcohol causes no hazard in handling and non- inflammable, non-toxic and non-irritating and does not have any harmful effect of for domestic use of water. As the alcohols contain straight chain carbon compounds, which are bio-degradable and permeable to oxygen, hence found safe for use

6. Three spp. of *Trichogramma*

Production of Three spp. of *Trichogramma* – *Trichogramma chilonis*, *Trichogramma bactri*, *Trichogramma pretiosum*. and *Zhygogrammabeetle* Which is used for research purposed as well as Practical purpose of UG and PG Student and sale to farmers and Government agencies as income sources.

7. Use of microorganism and consortia

2021- Worked on the siderophore (Fe solubilizers) producing microorganisms on soybean, wheat and maize.

2022- Worked on the different microorganism consortia on turmeric and maize.

6.6.3.6 IPR Cell / ITMU

Intellectual Property Right (IPR) Cell

Sr. No.	Name	Designation	Remark
1	Dr. D. S. Perke	Head, Dept. of Agril. Economics, VNMKV, Parbhani	Chairman
2	Dr. V. S. Khandare	Professor of Horticulture, VNMKV, Parbhani	Member
3	Dr. R.B. Kshirsagar	Professor, College of Food Technology, Parbhani	Member
4	Dr. S. N. Solanki	Research Engineer, AICRP on UAE, VNMKV, Parbhani	
5	Dr. Sunita Kale	Associate Professor College of Community Science, VNMKV, Parbhani	Member
6	Dr. G. P. Jagtap	Associate Professor, College of Horticulture, VNMKV, Parbhani	Member
7	Dr. R. L. Chavan	Assistant Professor V.D. College of Agril. Biotechnology, Latur	Member
8	Dr. R. A. Patil	Assistant Professor Dept. of AHDS, VNMKV, Parbhani	Member Secretary

Project Monitoring and Evaluation (PME) Cell, VNMKV, Parbhani

Sr.No	Name	Designation	Faculty	Remark
1	Dr. D.S. Perke	Head, Dept. Of Agril Economics, VNMKV, Parbhani	Agriculture	Chairman
2	Dr. V. S. Khandare	Professor of Horticulture, VNMKV, Parbhani	Horticulture	Member
3	Dr. R. B. Kshirsagar	Professor, College of Food Technology, Parbhani	Food Tech.	Member
4	Dr. S. U. Khodke	Head, APE, College of Agril. Engg. and Tech., Parbhani	Agril. Engg. and Tech.	Member
5	Dr. R. L.	Assistant Professor V.D. College	Agril.	Member

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	Chavan	of Agril. Biotechnology Latur	Biotechnology	
6	Dr. Venna Bhalerao	Associate Professor College of Community Science, Parbhani	Community Science	Member Secretary

University Technology Management Cell (UTMC)

Sr.No	Name	Designation	Remark
1	Dr. Indra Mani	Hon. Vice-Chancellor, VNMKV, Parbhani	Chairman
2	Dr. D. P. Waskar	Director of Research, VNMKV, Parbhani	Member
3	Dr. D. N. Gokhale	Director of Instruction and Dean (F/A), VNMKV, Parbhani	Member
4	Dr. D. B. Deosarkar	Director of Extension Education, VNMKV, Parbhani	Member
5	Dr. Sanjay Bhardwaj	Scientist 'F' and Head Centre for Technology Acquisition and Transfer, International Advanced Research Center for Powder Metallurgy and New Materials (ARCI), Hyderabad	Member
6	Dr. Goraksha C. Wakchaure	Sr.Scientist, (Agriculture Structure and Process Engineering), National Institute of Abiotic Stress Management, Baramati (Pune)	Member
7	Dr. Syed Ismail	Associate Dean and Principal, College of Agriculture, VNMKV, Parbhani	Member
8	Dr.U.M. Khodke	Associate Dean and Principal, College of Agril. Engineering and Food Technology, VNMKV, Parbhani	Member
9	Dr. Jaya Bangale	Associate Dean and Principal, College Community Science, Parbhani	Member
10	Dr. R.B.Kshirsagar	Professor, College of Food Technology, Parbhani	Member
11	Mrs. Deeparani Devatraj	Comptroller, VNMKV, Parbhani	Member
12	Dr. S. N. Solanki	Head, FMP, College of Agril. Engineering and Technology, VNMKV, Parbhani	Member
13	Dr. D.S Perke	Dy. Director of Research (Agril. Economics)	Member Secretary

The Terms / responsibilities of the Cell shall be the following :

1. To assess the status of management processes of commercialization of technologies developed by the VNMKV, Parbhani and its related matters.
2. To suggest guidelines for ownership/assignment and protection of technologies generated by VNMKV, Parbhani under own set up or sponsored/collaborative/grant-in aid projects.

3. To suggest approaches and guidelines for licensing/commercialization of VNMKV, Parbhani technologies.
4. To recommended ways and means for valuation of VNMKV technologies, keeping in view target groups like farmers, industry, international cooperation, foreign trade and strategic partnerships.
5. To suggest means and methods for contracting, agreement, pricing, payment and ownership of VNMKV technologies.
6. To recommended benefit sharing mechanism, and incentive and reward mechanism regarding commercialization of VNMKV's technologies.

6.6.3.7 Central Instrumentation Unit

To understand the need of students of different colleges, research centers of VNMKV campus and farmers, a well equipped the soil, water, plant and fertilizers testing laboratory (Central Instrumentation Cell (CIC) is being established and inaugurated by Dr. J.C. Katyal Deputy Director Journal (Edn.) ICAR, New Delhi in 2005 so far more than 1700 PG and Ph.D. students, 30,000 farmers benefited. The researchers of the different research centers and colleges of VNMKV, campus as well as other affiliated colleges also use these facilities. Around 3000 soil samples, more than 100 water samples and 2000 plant samples were analyzed per year. This Central Instrumentation Cell has sophisticated instruments Viz. Atomic Absorption Spectrophotometer, TOC-L, Double Beam – Spectrophotometer, Flame photometer, N – Analyzers with digestion block, Microwave digestion Extraction System etc. The receipt of this cell is more than 69 lakhs in last ten years.

Table: Number of Beneficiaries, total samples analyzed and receipts during 2018-19 to 2022-23

Year	Number of Farmers benefited	PG and PhD Students	Soil Samples Analyzed	Water Sample Analyzed	Plant sample Analyzed	Receipt
2018-19	1835	160	3078	49	1460	9,78,465
2019-20	1222	150	2610	62	1650	5,97,850
2020-21	412	150	1544	33	1335	2,34,060
2021-22	649	140	1826	50	1473	4,22,000
2022-23	310	135	1439	50	1260	2,66,001
Total	4428	735	10497	244	7178	24,98,376

6.6.3.8 Global Support:

A. Collaborative Research

1. Research project on “Response of carom crop to varying sowing time and spacing” was undertaken at NARP, Aurangabad during 2018 to 2021 in collaboration with ATMA, Aurangabad. (Received Rs. 2.07 lakh grants from ATMA, Aurangabad)
2. Collaborative research programme for Pearl Millet improvement with Patancheru ICRISAT, Hyderabad. “Partnership based Genetic enhancement of Pearl Millet for high grain iron density for improved human nutrition in India” during 2018 to 2022. (Received Rs. 5.7 lakh grants from ICRISAT, Hyderabad)
3. DBT funded Safflower Network project entitled “Exploiting Genetic Diversity for improvement of Safflower through Genomics-Assisted Discovery of QTLs/Genes associated with Agronomic Traits” has been sanctioned with a fund of Rs. 49.83 lakh. Duration- 2020-2025.
4. The PI of this project is Dr. S.B.Ghugre, Safflower Breeder and Co-PI is Dr. S.A.Shinde, Jr.Agronomist of the center.
5. 4. DARE and FW, Ministry of Agriculture and Farmers welfare, GOI, New Delhi funded Safflower Seed Hub project entitled “Creation of seed hub for enhancing quality seed availability of Oilseeds (Safflower)” has been sanctioned with a fund of Rs. 150.00 lakh. Duration- 2018-2023.
6. Collaborative work AICRP on Agrometeorology with India meteorological Department in Gramin Krishi Mausam Sewa (GKMS) and Crop Yield Forecasting Under FASAL Project
7. Collaborative work AICRP on Agrometeorology with CRIDA, Hyderabad in AICRP on Agrometeorology and NICRA project
8. Collaborative work AICRP on Agrometeorology with ICRISAT, Hyderabad in Monsoon Mission-II project
9. Collaborative work AICRP on Agrometeorology with WORT, Pune in Watershed Organization Trust (WOTR) project
10. Collaborative work AICRP on Agrometeorology with SAC, ISRO, Ahmedabad in Forecasting sugarcane production at mill command area in Maharashtra using satellite remote sensing and Ground base observation.
11. Conversion of Newly Released Cotton Hybrids (NHH 250 and NHH 715) into Bollgard II version and its Commercialization and Promotion. Vasantrao Naik

Marathwada Krishi Vidyapeeth, Parbhani and Maharashtra State Seed Corporation, Akola.

12. Development, evaluation and promotion of medium and long staple *desi* cotton genotypes under organic situation for the state of Madhya Pradesh and Maharashtra. Vasantnao Naik Marathwada Krishi Vidyapeeth, Parbhani, Remei India Ltd. Kasarawad, M.P. and biore Association, Kasarawad, M.P.
13. IRM: Dissemination of Pink Bollworm Management Strategies. Vasantnao Naik Marathwada Krishi Vidyapeeth, Parbhani and ICAR-Central Institute for Cotton Research, Nagpur
14. Promotion of long linted *desi* cotton varieties under organic condition. Vasantnao Naik Marathwada Krishi Vidyapeeth, Parbhani and ICAR-Central Institute for Cotton Research, Nagpur and Better Cotton Initiative, New Delhi.

At Agricultural Research Station, Badnapur

Title of the Project	Funded agency	Sanction year	Approximate Budget/ Collaboration	Objectives of the Project
Hybrid Project on Pigeonpea under Consortium Research Project on Hybrid Technology	Department of Agril. Co-operation and farmers welfare, New Delhi through ICAR New Delhi	2015-16 to till date (2022-23)	18.00 lakh per year Implemented in co-ordination with IIPR Kanpur, ICAR New Delhi, PAU, Ludhiana and ARS, Badnapur	<ol style="list-style-type: none"> 1) Develop high yielding hybrids for production systems and regions. 2) Pre-breeding and diversification of male sterility sources and their restoration with assured maintenance and seeds production option 3) Development of national hybrid network in the country. 4) Demonstration of the superiority of the hybrids and popularization in targeted zones through farmers and seeds agencies.
Characterization and Evaluation of Genetic Resources for Genetic Enhancement of Minor Pulses	Department of Biotechnology, Government of India	2018-19 to till date (2022-23)	87.00 lakhs In Collaboration with NBPGR New Delhi, PAU, Ludhiana, Gandhi KVK University of Agril. Sciences, Bangalore, CSKHPKV, Palampur and ARS, Badnapur	<ol style="list-style-type: none"> 1. Characterization / evaluation of available germplasm accessions (4100) of mungbean for agro-morphological traits. 2. Evaluation of core set of mungbean for agronomically important traits. 3. Development of pre-breeding material through wide hybridization for resistance to in-situ germination, powdery mildew disease and bruchids
Delivering more produced and income to farmers through enhancing genetic gains for Chickpea and Pigeonpea	ICRISAT, Hyderabad	2017-18 to 2020-21	91.71 Lakhs In Collaboration with ICRISAT, Hyderabad and VNMKV, Parbhani	<ol style="list-style-type: none"> 1) Identification and enhancing adoption of lines or varieties in Pigeonpea. 2) Targeted for developing novel pigeonpea lines, enhanced genetic diversity markers for earliness along with resistant/tolerant to disease (<i>Fusarium</i> wilt, sterility mosaic disease and <i>Phytophthora</i> blight).

Research Support

<p>Insecticide Resistance Management: Dissemination of pink bollworm management strategies under NFSM Project</p>	<p>ICAR- Central Institute For Cotton Research, Nagpur (M S)</p>	<p>2018-19 to till date (2022-2023)</p>	<p>6.20 Lakhs for 2022-23</p>	<ol style="list-style-type: none"> 1) To develop awareness in farmers for adoption of IPM technologies for the management of pink bollworm in cotton 2) To involve scientists directly in transfer of cotton production technology 3) To demonstrate usefulness of IPM technology to the farmers and extension workers to have effective linkages 4) To enable cotton scientists to obtain direct feedback from cotton farmers for reorientation of research programme and develop appropriate need based technology 5) To create effective linkage among scientists, extension personnel and farmers
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Sorghum Research Station, Parbhani

1. Scaling the innovative post rainy sorghum seed consortium for higher adoption and impact 2018-19. (Grants utilized Rs. 5, 49,094) (copy enclosed)
2. Scaling the innovative post rainy sorghum seed consortium for higher adoption and impact 2019-20. (Grants utilized Rs. 4, 88,655) (copy enclosed)

Adhoc project Implemented

1. Consortium Research Project on Hybrid technology in Pigeonpea sanctioned by ICAR (2019-20)
2. Genetic improvement of sorghum (Sorghum bicolor) through induced mutation by BARC, Mumbai
3. Funded Projects: IRM: Dissemination of Pink Bollworm Management Strategies funded by ICAR-CICR, Nagpur

B. National /International MoU's

Sr. No .	Year of signing MoU	With whom signed	Subject of MoU
1	2018	International Crop Research Institute for Semi-arid Tropics (ICRISAT), Hyderabad	Harvest Plus Project “Partnership based genetic enhancement of pearl millet for high grain iron density for improved human nutrition in India”
2	2018	IMD, New Delhi	Gramin Krishi Mausam Sewa (GKMS)
3	2018	International Crop Research Institute for Semi-arid Tropics (ICRISAT), Hyderabad	Delivering more produce and income to farmers through enhancing genetic gains for chickpea and Pigeonpea
4	2018	International Crop Research Institute for Semi-arid Tropics (ICRISAT), Hyderabad	Harvest plus Project on identification of micro nutrients – Dense Sorghum for better health in Western and Central Africa and India
5	2018	India Meteorological Department, New Delhi	Preparation and dissemination of agromet advisory bulletin for eight districts of Marathwada region under Gramin Krishi Mausam Sewa (GKMS) Project
6	2018	Watershed Organisation Trust (WOTR), Pune	Agro Meteorological project at Jalna
7	2018	Maharashtra State Seeds Corporation Ltd. (MSSC Ltd.) Akola	For popularization and seed production of pearl millet variety ABPC 4-3 and AHB-1200 Fe
8	2019	International Crop Research Institute for Semi-arid Tropics (ICRISAT), Hyderabad	Project “Genetically enhanced micronutrient dense Pearl Millet for improved human nutrition under Harvest Plus # 5310.”
9	2019	M/s. Odtin Food Solutions Pvt. Ltd., Ujjain (MP)	Manufacture of Multigrain Puffing cum Popping Machine
10	2019	ICAR-Central Research Institute for Dryland Agriculture (CRIDA), Hyderabad and M/s. Rohit Krishi Industries Pvt. Ltd., Pune	Five row BBF Planter cum herbicide applicator (Four in one) Planter
11	2019	International Crop Research Institute for Semi-arid Tropics (ICRISAT), Hyderabad	Delivering more produce and Income to farmers through enhancing genetic gains for Pigeonpea
12	2020	ICAR- National Institute of Abiotic Stress Management, Baramati, Pune	Students Training and Post Graduate Research
13	2020	Maharashtra State Seeds Corporation Ltd. (Mahabeej) Akola	For popularization and seed production of pearl millet variety ABPC 4-3, AHB-1200 Fe and AHB- 1269.

Research Support

14	2020	Shri guru Gobind Singhji Institute of Engineering and Technology, Vishnupuri, Nanded (MS)	Scientific cooperation and collaborative research
15	2020	Maharashtra State Seeds Corporation Ltd. (Mahabeej) Akola	Conversion of newly released cotton hybrids (NHH 250 and NHH 715) into Bollgard II version and its commercialization and promotion.
16	2020	International Crop Research Institute for Semi-arid Tropics (ICRISAT), Hyderabad	Partnership based Genetic enhancement of Pearl Millet for high grain iron density for improved human nutrition in India.
17	2020	Swami Agro Implements, Lasona Dist. Osmanabad	VNMKV Bullock drawn solar operated sprayer, Bullock operated three tyne ferti hoe with furrow opener/ without furrow opener, Bullock operated stubble collector, Bullock drawn mulch laying machine
18	2020	Agrotech agro Producer Company Limited, Khandapur Dist. Latur.	Large scale seed production of Linseed Variety: LSL-93
19	2020	Nanaji Deshmukh Krushi Sanjivani Programme (PoCRA), Mumbai	Research study on determination of Crop Coefficient for Major crops by Lysimetric Studies
20	2020	International Crop Research Institute for Semi-arid Tropics (ICRISAT), Hyderabad	Multilocation Testing of Sorghum and Pigeonpea
21	2020	The Registrar, University of Horticultural science, Udyanagiri, Navanagar, Bagalkot – 587104, Karnatak.	For conducting the P.G. and Ph.D. Research work
22	2020	Indian Institute of Technology Kharagpur NAHEP	The following areas of cooperation have been identified under this agreement 1. Faculty development Programme 2. Student exchange program 3. Joint research projects 4. Coordinated graduate degree Programme Joint academic activities and events
23	2020	Indian Institute of Technology Bombay NAHEP	Through this MOU, both parties agree to following points: 1. The researcher faculty members will work together and act as student advisory members in thematic research and extension programs 2. Under student internship exchange program, students of both parties can do their internship work. 3. Under the faculty exchange program both

Research Support

			<p>the parties will make their mutual concern for participating activities and its completion.</p> <p>4. Faculty members can work as a visiting faculty/adjunct faculty by mutual exchange as per departmental and institute norms.</p>
24	2020	<p>Swaraj Engineering, Aurangabad</p> <p>NAHEP</p>	<p>The following areas of cooperation have been identified under this agreement</p> <ol style="list-style-type: none"> 1. Both parties will explore way to offer internship to students in industry 2. Industry will provide valuable inputs to NAHEP-CAAST-VNMKV-DFSRDA Centre, PARBHANI to enhance teaching methodology and suitably modified it to cater to the employability need of the students.
25	2021	<p>Aryaion Electric Vehicle Pvt. Ltd, Pune</p> <p>NAHEP</p>	<p>The following areas of cooperation have been identified under this agreement</p> <ol style="list-style-type: none"> 1. Industry will share the latest trends of the concerned field with NAHEP-CAAST-VNMKV-DFSRDA Centre, PARBHANI to help in upgrading the knowledge of NAHEP Staff, Core Team Faculty members and PG/Ph.D. students, in order to upgrade skills and improve employability.
26	2021	<p>ICAR-National Research Centre on Pomegranate, Solapur</p>	<p>Institutional / students PG and Ph.D research and training</p>
27	2021	<p>Maharashtra State Seeds Corporation Ltd. (MSSC Ltd) Akola.</p>	<p>For popularization and seed production of pearl millet variety ABPC 4-3, AHB-1200 Fe and AHB- 1269.</p>
28	2021	<p>ICAR-Indian Institute of Oilseeds Research, Hyderabad</p>	<p>Institutional / students PG and Ph.D research and training</p>
29	2021	<p>Inventive Solutions, Nasik</p>	<p>Manufacturing of solar equipments</p>
30	2021	<p>Krishi Vigyan Kendra, Baramati (State Level Technical Institute) PMFME, Baramati</p>	<p>Mutual Technology Transfer for successful Incubation Centre, PMFME</p>
31	2021	<p>Department of Biotechnology (DBT), Govt. of India</p>	<p>Implementation of DBT supported M.Sc. Agricultural Biotechnology Program</p>
32	2021	<p>Indira Gandhi Agricultural University, Raipur (CG)</p>	<p>For obtaining linseed germplasm lines for research purpose</p>
33	2021	<p>ICAR- Directorate of Floricultural Research, Pune</p>	<p>For conducting the P.G. and Ph.D. Research work</p>
34	2021	<p>ICAR- National Research Center for Grape, Pune</p>	<p>For conducting the P.G. and Ph.D. Research work</p>

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35	2021	National Remote Sensing center ISRO, Department of Space, Govt. Of India, Balanagar, Hyderabad	Monitoring and investigations on lightening phenomena and its associated process using lightening detection systems (LDS) at collaborating institutes
36	2021	Universitat Politècnica de València, Spain	For conducting the P.G. and Ph.D. Research work
37	2021	Washington State University, USA	For conducting the P.G. and Ph.D. Research work
38	2021	Belarusian State University of Informatics and Radioelectronics, Minsk, Belarus	For conducting the P.G. and Ph.D. Research work
39	2021	CSMSS College, Aurangabad	For conducting the P.G. and Ph.D. Research work
40	2021	Aryaion Electric Vehicle Pvt Ltd, Pune	For manufacturing of AGVs, and digital farming solutions
41	2021	Vishwadeep Agro Research and Development Center, Palam	For manufacturing of AGVs, and digital farming solutions
42	2021	Green Robot Machinery Private Limited, Bangalore	For manufacturing of AGVs, and digital farming solutions
43	2021	ASAP Agritech LLP, Nashik	For manufacturing of AGVs, and digital farming solutions
44	2021	Swaraj Engineering, Aurangabad	For manufacturing of AGVs, and digital farming solutions
45	2021	Saron Digitech, Hyderabad	For manufacturing of AGVs, and digital farming solutions
46	2022	Aquatic Remedies, Mumbai	For development of electronic instruments for enhancing seed germination of soybean
47	2022	ICAR- Indian Institute of Sugarcane Research (IISR) , Lucknow (UP)	To promote long term sugarcane research
48	2022	Shri Shivaji Institute of Engineering and Management Studies, Parbhani NAHEP	The following areas of cooperation have been identified under this agreement: 1. Industrial Training and Visits 2. Guest lectures 3. Placement of Trained students
49	2023	ICAR-Central Institute for Cotton (CIRCOT), Mumbai	Mechanisation in cotton, value addition, post harvest techniques and artificial intelligence (AI)
50	2023	ICAR-NBSS and LUP, Nagpur	For conducting the P.G. and Ph.D. Research work
51	2023	Durga Agro Works, Daryapur, Dist. Amravati	Manufacturing of small farm machineries
52	2023	Sushil Model and Scientific Works, Ambala Cantt.	Manufacturing of electrically operated roaster

Research Support

53	2023	AgMatrix Consultancy PVT. LTD Pune, MH NAHEP	The following points have been identified under this agreement 1. Providing/coordinating Academic/ Technical and soft skills training services to the staff and students 2. Avail the infrastructure facilities to conduct seminar and workshops 3. Assist each other in event management 4. Collaborate and supplement utilization of resource and facilities
54	2023	Vishwadeep Agro Research and Development Center, Parbhani NAHEP	The following areas of cooperation have been identified under this agreement 1.Both parties will explore way to offer internship to students in industry 2.Industry will share the latest trends of concerned field with NAHEP to help in upgrade the knowledge of nahep staff, Core team members and PG/Ph.D. students.
55	2023	University of Florida, USA NAHEP	Through this MOU, both parties agree to following points: 1.Discussion of potential collaborative research 2.Opportunities for faculty and staff development and exchange 3.Opportunities for student development and exchange 4.Exchange of academic publications and reports. 5.Sharing experience in innovative teaching methods and course design 6.Organization of joint symposia, workshops and conference.
56	2023	Kansas State University, USA NAHEP	The two institutions agree to following general areas of interest and cooperation: 1.The exchange of scholars and scientists to conduct research of mutual interest. 2.The exchange of professors for lectures and short term visits. 3.Invitation to scholars for participation in conference, symposia and instruction. 4.Exchange of information, academic materials and publications in field of mutual interest.
57	2023	Reliance Foundation, Mumbai	Transfer of technology
58	2023	Paani Foundation	For providing knowledge on crop production technology



MoU with MAHABEEJ



MoU with ICRISAT, Hyderabad



MoA with ICAR- CRIDA Hydrabad & Rohit krushi Industries , Pune for BBF planter



MoU with ICAR- NIASM, Baramati



MoU with ICAR-NRC on Pomegranate, Solapur



MoU with Inventive Solutions, Nasik



MoU with ICAR-IIOR, Hyderabad



MoU with Pani foundation



MoU with IIT Kharagpur



MoU with ICAR-IISR, Lucknow



MoU with Aquatic Remedies, Mumbai



MoU with IO Tech. World Aviation Pvt. Ltd,



**MoU with M/S Durga Agro works,
Daryapur**



MoU with ICAR-NBSS&PUP, Nagpur



MoU with ICAR-CIRCOT, Mumbai



MoU with KANSAS State University, USA

C. University Scientist Exchange Programme

- Dr. D.K. Patil, Principal Scientist and Officer Incharge nominated as member for Technical Advisory Committee Member (04/2022) for the revision of DUS Test Guidelines of Pigeonpea by PPV and FR Authority.
- Dr. D.K. Patil, Principal Scientist and Officer Incharge nominated as Expert proposed 4 days visit to Mozambique for finalizing the site and other logistic arrangements for establishment of proposed seed production by Under Secretary to Government of India, Ministry of Agriculture and Farmer welfare.
- Dr. Gopal Shinde, PI Agricultural Engineer and PI-NaHEP attended three months training programme at Agricultural and Biological Engineering, University of Florida, Gaines Villey Florida from 15 Sep. to 15 Dec. 2022.
- DR. Kailas Kamaji Dakhore, Project Scientist AICRP on Agrometereology and Co-PI, NaHEP attended three months training programme at Agricultural and Biological Engineering, University of Florida, Gaines Villey Florida from 15 Sep. to 15 Dec. 2022.
- Dr. Indra Mani, Vice Chancellor VNMKV Parbhani visited University of Florida Gaines Villey Florida, Washington State University, Pullmen, Cannes State University Cannes and University of Nembraska. LinColen, Nembraska from 4 Feb. to 15 Feb. 2023.
- Dr. Vina Bhalerao, Member NAHEP and Associate Professor, College of Community Science Parbhani visited YUNUS Center, AIT, Bangkok during 15 to 26 March 2023.

6.6.4. Extension Support

Extension Education in agriculture and allied fields is concerned with dissemination of agricultural technologies developed and recommended by the University, sister SAUs & ICAR Institutes to the doorsteps of the farmers' to increase crop production and create employment opportunities on one hand and to bring the feedbacks to research system on the other hand. It aims at transfer of knowledge and skill and builds competence among the farmers and other stakeholders through various extension programmes.

Objectives of Extension Education

- To plan, implement, co-ordinate and monitor the agricultural extension education programmes in eight districts of Marathwada region.
- To assist and compliment the State Department of Agriculture, public and private sectors and voluntary organizations in effective management of extension education systems.
- Organization of Front Line Extension Education Programmes in the University jurisdiction.

6.6.4.1 Extension Council

The Extension Council of the University a statutory body is constituted as per provisions under Clause (V) of Section 29 of the Maharashtra Agricultural Universities (Krishi Vidyapeeth) Act and Maharashtra Agricultural Universities (Krishi Vidyapeeth) Statutes, 1990, Statute No. 15. The Council meets atleast once in a year to formulate extension policies and annual extension education programmes, to review the work done and evaluate extension education programmes of the university.

Composition of Extension Council

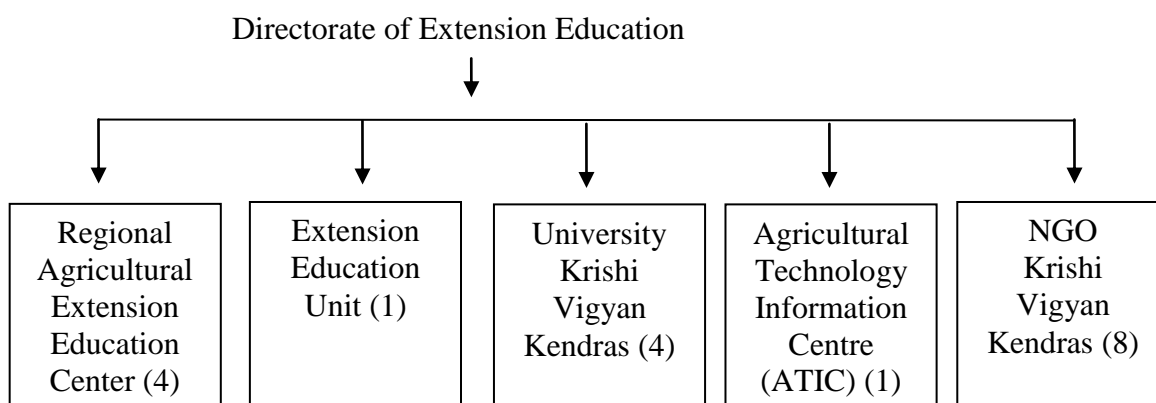
Sr. No.	Members	Designation
1	Hon. Vice-Chancellor	Ex-Officio Chairman
2	Director of Extension Education	Member Secretary
3	Director of Research	Member
4	Director of Instruction and Dean, Faculty of Agriculture	Member
5	Head, Dept. of Extension Education	Member
6	Chief Extension Education Officer	Member
7	Additional Director of Agriculture (T&V System)	Member
8	Co-opt member (Not more than 4 persons) (Presently two officers from State Department of Agriculture, Government of Maharashtra and Two progressive farmers from University Jurisdiction are appointed as Co-opted members for the period of three years)	Members

Details of last five meetings

Sr. No.	Meeting	Date
01	21 st Extension Education Council Meeting	23 rd February, 2018
02	22 nd Extension Education Council Meeting	19 th March ,2019
03	23 rd Extension Education Council Meeting	28 th August,2020
04	24 th Extension Education Council Meeting	23 rd June ,2021
05	25 th Extension Education Council Meeting	22 nd December, 2022

6.6.4.2. Directorate of Extension Education

Organizational Structure



Training and Visit Scheme

Training and Visit Scheme of Agricultural Extension was launched and subsequently, the Directorate of Extension Education was established in the year 1981-82. The mandate of T&V scheme was to give technical support to the extension workers of the State Department of Agriculture.

Since 2003 the offices of the Extension Agronomist were strengthened and four Regional Agricultural Extension Education Centres (RAEECs) were established at Parbhani, Aurangabad, Ambajogai and Latur.

Regional Agricultural Extension Education Centre Jurisdiction

Sr. No.	Station	Jurisdiction Districts
1	Regional Agricultural Extension Education Centre, Aurangabad	Aurangabad and Jalna
2	Regional Agricultural Extension Education Centre, Parbhani	Parbhani and Hingoli
3	Regional Agricultural Extension Education Centre, Ambajogai	Beed and Osmanabad
4	Regional Agricultural Extension Education Centre, Latur	Latur and Nanded

Training and Visit Scheme Staff pattern /Staff position

Sr. No.	Name of the post	Number of posts		
		Sanctioned	Filled	vacant
1	Director, Extension Education	01	00	01
2	Extension Agronomist	04	03	01
3	Superintendent	01	01	00
4	Stenographer	05	03	02
5	Senior Clerk	01	01	00
6	Driver	05	00	05
	Total	17	08	09

Training and Visit Scheme (Permanent Labour) Staff pattern /Staff position

Sr. No.	Name of the post	Number of posts		
		Sanctioned	Filled	vacant
1	Establishment of Permanent Labour	11	04	07
	Total	11	04	07

The major activities of RAEECs are monthly district workshops, field visits, diagnostic team visits, pre-seasonal training programmes, short-term trainings agril. exhibitions, group discussions, field days, farmers rallies, field days, crop demonstrations, AIR and T & V programmes, etc.

Extension Support

Extension Education Unit

The Extension Education Unit is functioning since 1975-76 with the objective to disseminate the recent agricultural technologies to the farmers' fields.

Staff pattern /Staff position of Extension Education Unit

Sr. No.	Name of the post	Number of posts		
		Sanctioned	Filled	Vacant
1	Chief Extension Education Officer	01	01	00
2	Extension Education Officer	01	01	00
3	Senior Research Assistant	02	02	00
4	Agricultural Assistant	03	02	01
5	junior Clerk	01	01	00
6	Audio-Visual Operator	01	00	01
7	Driver	02	01	01
8	Peon	01	01	00
	Total	12	09	03

The unit has been doing the following activities:

- Trainings to farmers, farmwomen, youth and entrepreneurs.
- Demonstrations on farmers' fields for verification of new technologies under varying resources-based conditions.
- Trainings to extension personnel, NGOs, FPOs and SHGs.
- Organizing farmers' rallies, field days, group discussions, farmers-scientist interaction, agricultural exhibitions and crop seminars etc.
- Co-ordination of All-India Radio (AIR) and Doordarshan with university scientists.
- Participation in extension activities organized by State Department of Agriculture and other agencies.
- Providing solutions to problems faced by the farmers.
- Agricultural Publications like leaflets, booklets, folders, agricultural diary, calendar, magazine were published and supplied to the extension workers, farmers and students.

Functioning of Directorate of Extension Education is also supported by another two schemes and staff position in these two schemes is as under;

Extension Support

Research in Agricultural Extension and Rural Sociology

Sr. No.	Name of the post	Number of posts		
		Sanctioned	Filled	vacant
1	Senior Research Assistant	01	00	01
2	Junior Research Assistant	03	01	02
	Total	04	01	03

Research Sub-section Extension Wing

Sr. No.	Name of the post	Number of posts		
		Sanctioned	Filled	vacant
1	Junior Research Assistant	04	02	02
	Total	04	02	02

Krishi Vigyan Kendras (KVKs)

Four Krishi Vigyan Kendras were established under the VNMKV, Parbhani with the financial support from ICAR, New Delhi.

Sr. No.	Name of Krishi Vigyan Kendra	Address	Year of establishment	Major Extension Outcomes
1	Krishi Vigyan Kendra, Aurangabad-I	Paithan Road, Aurangabad	1983	1. Established farming system/crop specification Farmer Scientist Forums in Aurangabad district 2. Implementing National Innovations in Climate Resilient Agriculture (NICRA) project under KVK 3. District Agro Met Unit (DAMU) was established at KVK, Aurangabad in August 2019. Providing weather updates and advisories to farmers through portals, website, android phones.
2	Krishi Vigyan Kendra, Osmanabad	Tuljapur Dist-Osmanabad	2000	1. Technology transfer of Soybean variety MAUS-162 suitable for mechanical harvesting. 2. BBF technology for sowing soybean gives 12% more yield. 3. Technology transfer of Pigeon pea short duration variety BDN-711. 4. Awareness of organic farming by use of inputs like Vermiompost,

				Jeevamrut, Beejamrut, Neemark, Waste Decomposer etc. 5. Adoption of establishment of nutritional Garden on large scale 6. Establishment of food security model/farming system for nutrition at village level
3	Krishi Vigyan Kendra, Beed-II	Khamgaon Tq.Georai Dist.Beed	2010	1.Horizontal spread of Pigeonpea variety BDN-711 covering more than 58 % pigeon pea area in Beed district. 2. Technology of Seri sampurna for uniform maturity of silkworm is adopted by more than 70% sericulture entrepreneurs in Beed district. Sericulture technology horizontal spread on an area of 1893 ha (3756 unit) in the dist. 3. Horizontal spread of Phule Gunwant fodder crop in more than 40 % adopted talukas of Beed district.
4	Krishi Vigyan Kendra, Jalna-II	Badnapur Dist.Jalna	2018	1. Popularization of soybean variety MAUS-162, MAUS-158 through CFLD and Training programmes. 2. Popularization of pigeon pea variety BDN-711 through CFLD and Training programmes. 3. Awareness campaign amongst farmers through field visits, training programmes, melawa, demonstrations regarding pink bollworm in cotton, fall army worm in maize and white grub in field crops. 4. Awareness about women and children's health through nutrition garden demonstration and training programmes. Distributed more than 4500 nutrition kits comprising seeds of ten vegetables to farm women's of 45 villages.

KVKs aim to reduce the time lag between the generation of technologies and their transfer to the farmers field to increase agricultural production.

Extension Support

Staff pattern /Staff position of University Krishi Vigyan Kendras (for four KVKs)

Sr. No.	Name of the post	Number of posts		
		Sanctioned	Filed	Vacant
1	Programme Coordinator	04	02	02
2	Subject Matter Specialist	24	23	01
3	Programme Assistant	04	03	01
4	Farm Manager	04	04	00
5	Superintendent	04	03	01
6	Computer Programmer	04	03	01
7	Steno	04	02	02
8	Driver	08	06	02
9	Supporting Staff	08	05	03
	Total	64	51	13

The following functions are envisaged in the design of the KVKs:

- Farm advisory services and demonstration of latest technologies.
- Vocational trainings of the farmers, farmwomen and young farmers.
- In-service trainings of the field level functionaries of the State Government/Zilla Parishad/ NGOs.
- On-farm research/farming system research

The Extension programmes undertaken by the KVKs:

- Need-based survey for identification of farmers' needs and optimum use of available resources.
- Conduct of long and short duration income generating trainings for the resource poor people.
- Organize field visits, farmers' rallies and exhibitions for the benefit of the farmers.
- Training rural women in respect of nutrition, health, sanitation and household enterprises.
- Organize training programmes for integrated rural development.
- Increase effective ways and means to bridge the gap between farm education and its application in the field.

By and large, the KVKs have created awareness among the farmers and extension workers about the application of new agricultural technologies through on-farm testing, vocational trainings, in-service trainings, frontline demonstrations and other extension services.

Extension Support

The following eight KVKs run by NGOs are also funded by ICAR and perform their activities at their own as per guidelines given by the ICAR, New Delhi.

List of Krishi Vigyan Kendra run by NGOs

Sr. No.	Place	Organization	District
1	Parbhani	Jivan Jyoti Charitable Trust, Parbhani	Parbhani
2	Kharpudi	Marathwada Sheti Sahaya Mandal, Jalna	Jalna
3	Dighol Amba	Dindayal Shodha Sansthan, Ambajogai	Beed
4	Tondapur	Sant Namdev Sevabhavi Sanstha	Hingoli
5	Pokharni (Phata)	Jawaharlal Nehru Institute of Education and Technology Research, Nanded.	Nanded
6	Latur	Manjra Charitable Trust, Latur	Latur
7	Gandheli (Aurangabad)	Mahatma Gandhi Mission, Aurangabad	Aurangabad
8	Sagroli	Sanskriti Seva Mandal Charitable Trust, Sagroli	Nanded

Agricultural Technology Information Centre (ATIC)

ATIC at VNMKV, Parbhani is functioning since January 1, 2000 with the following objectives

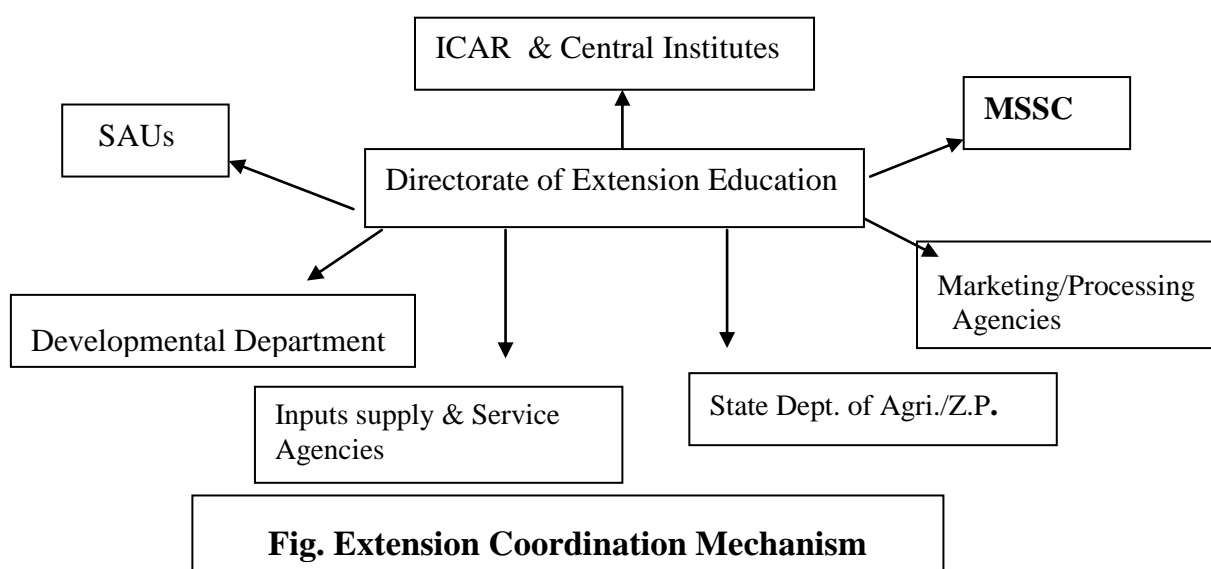
- To provide single window delivery system for seeds, planting materials and other products like bio-fertilizers, bio-pesticides, agricultural implements, processed products literature, etc.
- To provide direct access to the farmers to communicate developed technologies and inputs.
- To provide diagnostic and advisory services such as soil and water testing, plant and animal health clinic etc.
- To create mechanism for receiving feedbacks from the farmers and communication of the same to research system for solution or refinement.

Internet and web page facilities, SMS facilities, scrolling screen facilities, telephone help-lines are also provided at ATIC for easy and faster access and communication. Farmers can get up-to-date information over these facilities.

ATIC has not provided full flagged staff and run with the help of a team of Subject Matter Specialist from university.

Extension Coordination Mechanism

- Besides, the staff of Regional Agricultural Extension Education Centres and Krishi Vigyan Kendras under Directorate of Extension Education , faculty and scientists from Colleges, Research Stations and Ad-hoc projects under the university is fully engaged in the extension activities.
- Extension centres have developed strong linkages with State Department of Agriculture, Horticulture, Animal Husbandry, Fisheries, Social Forestry, Dairy Development, Small Scale Industries, Social Welfare Department, Maharashtra Centre for Entrepreneurship Development, Sericulture, other Developmental Departments, Zilla Parishads and Panchayat Samities.
- Most of the extension education programmes such as trainings, symposia, workshop, farmers rallies, exhibition, campaign, etc. are organized with the active co-operation and collaboration of the public and private organizations.
- The human resource, physical facilities and equipments available with the Directorate and these extension agencies are collaborated among each other so as to achieve desired goals.
- This arrangement helps to share physical facilities and scientific manpower to the mutual advantage of both. It enabled organization to improve its planning process by integrating the various perspectives in single and strengthened the extension activities through co-operation and co-ordination which in turn reduced the duplication of work.



Extension and technology dissemination system

Directorate of Extension Education through its extension centres viz. Extension Education Unit, Regional Agricultural Extension Education Centers , Krishi Vigyan Kendras and Agricultural Technology Information Center organizes various on-campus and off-campus extension programmes to disseminate agricultural technologies to the doorsteps of the farmers. The extension programmes are also organized by the various Colleges, Research Stations and Schemes. Extension Education programmes are organized for farmers, farmwomen, youths, entrepreneurs, officers of State Department of Agriculture and Line Departments, NGOs and SHGs. The efforts made so far have resulted into a number of successes and achievements.

- 25th Meeting of Extension Education Council of VNMKV, Parbhani was held under the Chairmanship of Hon. Vice-Chancellor, VNMKV, Parbhani on 22nd December, 2022. The report of extension activities undertaken during last year and proposed extension activities for current year was discussed in the council meeting.

- The university has given vital technical support to the State Department of Agriculture through conducting monthly district workshops and field visit on regular basis in each district of Marathwada.



- Directorate of Extension Education organizes 3 region level farmers rallies viz, Kharif farmers rally on 18th May on the eve of University Foundation Day, Rabi Farmers Rally on 17th September on the eve of Marathwada Liberation Day and Women Farmers Rally on 3rd January on the eve of birth anniversary of a great social revolutionist Kranti Jyoti Savitribai Phule. The University scientists also participate



and guides farmers in the farmer's rallies organized by the SDA and line departments.

- University Scientists from different Extension Centres, Colleges, Research Stations and Schemes regularly visits to the farmers' fields. They solve the field problems of the farmers on the spot during these visits by assessing the crop condition in the field.

- The specialized short and long durational trainings have been organized on a massive scale for the farmers, farmwomen, youths, entrepreneurs, staff of the State Department of Agriculture and other developmental departments as well as for FPOs, SHGs, etc.



The need-based trainings have been conducted on the subjects like crop production technologies, IPM, INM, horticulture, sericulture, vermicomposting, animal husbandry and dairying, poultry, post-harvest technology, food processing, farm mechanization, mushroom production etc.

- The University has demonstrated maximum genetic production potential of major crops in the field conditions through Front Line Demonstrations (FLDs). These activities created awareness among the farmers about new varieties and trained them with modern technological packages of practices recommended by the University. This activity also provided an opportunity to the University Scientists to demonstrate the validity and relevance of their experimental findings.



- University organized exhibitions on the eve of *Kharif* farmers Rally, *Rabi* farmers Rally and Women Rally on 18th May, 17th September and 3rd January every year respectively. Besides the University, SDA and other line Departments, Fertilizer, Seed, Pesticide companies, NGOs and SHGs participated in these exhibitions and showcase their technologies and products and bi-products.



Extension Support

- The Directorate of Extension Education published three extension publications every year namely Agricultural Diary, Magazine *Sheti-Bhati* and Calendar on regular basis. The Directorate of Extension Education also published various booklets and folders containing information on crop production technologies. At present more than two dozen publications are available.



- For easy access and communication Telephone Help Lines have been started at ATIC, Parbhani. The novel idea of establishing telephone help-line is answering the queries of farmers and entrepreneurs. These facilities helped a big mass of farmers.



- SMS facility for the farmers is in operation at Krishi Vigyan Kendra and ATIC, Parbhani. Advisories, messages on the weather forecast, modern agricultural technologies and solutions to the problems faced by the farmers were given on the smart phones.

- Group discussions were organized for group of farmers/ women farmers/ youths/ entrepreneurs etc. having common interest in particular aspect of agriculture and allied sciences.



- Worthiness of the innovations on agricultural technologies was demonstrated by organizing Field Days at the farms of the progressive farmers, trial fields, extension centres, KVKs and demonstration sites.



- **Farmers-Scientist Forum** : Extension centres formed crop/agri. allied enterprise specific groups of farmers viz. turmeric growers, sugar cane growers, cotton growers, soybean growers, sweet orange growers, pomegranate growers, dairy owners, poultry owners and food processors etc. University scientist and these groups meets regularly. Problems of the groups were discussed in the forum and technical guidance was provided to the groups.



- The use of information technology and media is one of the important pillars of technology dissemination. They have the advantage of reaching out to a wide audience at a very low cost. Therefore, the different media was a part of extension strategy adopted for delivering farm level extension services.



- In order to enable wider and faster reach to the farmers with enhanced quality of learning this Directorate has kept close liaison with the All India Radio , Doordarshan, private TV channels. Lectures and interviews of Scientists were broadcasted/telecasted through these electronic media.



- Digital platform of Zoom , Webex, Google meet, You tube and Facebook, etc. was used for organizing webinars, trainings, meetings, etc.
- University KVKs gave weather forecasting messages on every Tuesday and Friday. Crop advisories and messages on crop production technologies and allied



enterprises were given on M-Kisan portal, facebook and WhatsApp groups.

- The technical information on modern agricultural technologies, ongoing programmes and activities of various units were published through leading newspapers of the region. Besides this, bulletins and notes on seminars, trainings, workshops, farmers' rallies, field days, highlight of extension and research projects were formulated and released through newspaper. Similarly the success stories of the farmers, women farmers and entrepreneurs was published through news papers.
- Mainstreaming the women in agriculture is one of the major aspects considered while organizing extension activities. Though women farmers plays multi-dimensional role in agriculture, still they are operating in many socio-cultural barriers. The extension services focused on women training in different areas, entrepreneurship development in women and drudgery reduction. Focus was given on dialog between women, extension workers , researchers, processing and marketing agencies.



6.6.4.3 Extension planning and Technological Impact

Extension planning

- The Extension Education Council of the University meets once in a year to review the work, discuss, deliberate and plan the policy issues on extension system. The suggestions given by the council implemented in the subsequent year to support enterprises in adopting and deploying new technologies.
- The farm trials are planned jointly in Zonal Research and Extension Advisory Committee (ZREAC) meeting and monthly district workshops are organized to test and study their suitability under various agro-climatic conditions.
- The Scientific Advisory Committee of every Krishi Vigyan Kendra (KVK) meets annually to review the work, discuss, deliberate and plan extension activities of KVK. The suggestions given by the committee included in the action plan of subsequent year.

- The University level and State/Zonal level Annual Action Plan of all Krishi Vigyan Kendra (KVK) is organized to finalize Action Plan of KVK. Suggestions given by experts are included in the action plan for subsequent year to support enterprises in adopting and deploying new technologies.
- Different methods of collecting feedback covering location specific to various agro-climatic conditions, soil conditions are adopted for assessing extension education needs of the farming community. Data is analyzed to solve the problem of the different stake holders.
- The linkage between the research scientists, extension workers and university scientists have been strengthened by regular participation in the extension activities. The feedback received by the scientists from the extension workers is analyzed to solve the problem, to develop and modify technologies to suit the local farming conditions.
- The various programmes implemented by Directorate of Extension have helped in disseminating the knowledge of recent technologies/ recommendations given by the university scientists to farmers for adoption.
- The results are more prominent in the adoption of improved varieties and other management technologies in general in most of the crops. The trainings/workshops, farmers rallies, exhibitions arranged to different beneficiaries has also helped in disseminating the new technologies up to the farmers.
- In general the extension work helped in the adoption of IPM, INP and increasing production and productivity to the extent of 15% to 32% in many crops particularly pulses, oilseeds and cereals.
- The socio-economic status of farming community of the region is improved to a greater extent due to continuous extension efforts under taken by the University.

Mechanism to study the technological impact

- Observations made by the scientists during visits to the demonstration plots.
- Pre-training and post training evaluation, survey and data recording of farmers before and after application of technology.
- Collection of data by developing schedule, questionnaires and personal interviews.

- Observations, case study and social survey.
- Research by the Post Graduate Students.
- Feedback received from State Agril. Department and other developmental Departments.
- Feedback received from farmers either through telephone help-line, farmers visiting to extension centres and research stations.
- Feedback received through diagnostic team field visits/mobile crop dispensary.
- Feedback received during farmers rallies/farmers training programmes/field days/farmers group discussions.
- Feedback received through press medias and postal communication.
- Feedback received through personal contact.
- Feedback received through RAWE students.
- Feedback received through Social workers.

Feedback received and collected, research data are analyzed and conclusions discussed in the Research Review Committee of the Social Sciences.

6.6.4.4 Implementation of National Initiatives

VNMKV reiterates its participation and implementation of various National Programmes in its constituent colleges, research stations and extension units. Implementation of these programmes is ensured by the Director of Instructions and Dean at College level, by the Director of Research at Research Stations level and by the Director of Extension Education at Extension Units like RAEECs and KVKs level. The following National Level programmes/initiatives implemented by VNMKV in its constituent colleges, research stations and extension units, etc.

a) Students READY

Indian Council of Agricultural Research (ICAR) has initiated 'Student READY' (Rural Entrepreneurship Awareness Development Yojana) from the Academic year 2016-17 for the final year students of the undergraduate programme with an aim to build confidence among the agri-graduates for establishing self-employment avenues and for securing employment in various public or private sector organizations so as to serve the farming

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community with better quality and commitment. The programme is intended to provide hands-on experience and practical training to the undergraduates. The three components which were included under Student READY viz., Rural Work Experience Programme (RWEPP), Internship/In-Plant Training /Industrial Attachment Programme and Experiential Learning programme (ELP) will provide ample opportunities for the students to acquire practical knowledge and skills to orient them towards providing best services for the welfare of the farming community.

Details of the **Students READY** programme is as under

Sr. No.	Name of the College	No of Students involved					Activities carried out
		2018-19	2019-20	2020-21 Home-Rawe	2021-22 Home-Rawe	2022-23	
1	College of Agriculture, Parbhani	240	240	200	317	243	Farmers rallies, tree plantation, animal vaccination, soil testing, demonstrations on bio-fertilizer, bio-mix, seed germination , e pik pahani app and safe use of insecticides. PRA- technique, information corner
2	College of Agriculture, Latur	85	121	83	105	120	Demonstrations, Schedules, vaccination, tree plantation, PRA of Allotted village, farmers rallies, information corner
3	College of Agriculture, Ambejogai	72	54	54	75	67	Tree plantation, Celebration of Krishi din, Vaccination Programme, Seed treatment, Seed, Germination, PRA-technique, Budding, Grafting, Preparation of milk products, ,Vermicompost production, Compost Making, Nutrient Deficiency Jam-Jelly Preparation, Zero Energy Cooling Chamber Preparing of Folders on Pink-bollworm, Niboli ark, Soil testing.
4	College of Agriculture, Osmanabad	41	38	46	71	74	Demonstrations, seed germination , e pik pahani app and safe use of insecticides. PRA- technique, information corner ,farmers rallies, tree plantation, animal vaccination, soil testing

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5	College of Agriculture, Badnapur	62	68	63	71	81	Group Discussions, Method Demonstrations, Information Corners, PRA, Survey of Host farmers and allotted villages, Tree Plantation
6	College of Agriculture, Golegaon	52	47	38	59	78	Farmers rallies, tree plantation, animal vaccination, soil testing, demonstrations on bio-fertilizer, bio-mix, seed germination , e pik pahani app and safe use of insecticides. PRA- technique, information corner.
7	College of Horticulture, Parbhani	-	-	13	55	44	Kisan Din, Tree Plantation, planting orchards, nursery raising technique, plant propagation technique, preparation of value added products, pruning and training techniques, group discussion, method demonstration, etc
8	College of Community Science, Parbhani	28	30	22	21	33	Exhibition and seminar on Nutritional diet, personality development, reproductive health care for teenage girls and Significance of scientific parenting for child development
9	College of Agricultural Biotechnology, Latur	-	-	-	25	36	Students choose their area of interest and select research institutes/ KVKs/ seed company/ and perform activities viz., tissue culture/ product testing/ biochemical and molecular characterization Seed certification/ Productions and marketing of product/beaker industry/ fertilizer production and marketing/spices purchasing, grinding and marketing/ research and developments etc.
	Total	580	598	519	799	776	



Students Ready

b) National Innovations in Climate Resilient Agriculture (NICRA)

The network Project of the Indian council of Agriculture Research (ICAR), National Innovations in Climate Resilient Agriculture (NICRA) have been started in the year 2011 in village Shekta Tq Gangapur, Dist. Aurangabad with the aims to enhance resilience of agriculture to climate change and climate variability through



strategic research and technology demonstration and research on adaptation and mitigation covering crops, livestock, & natural resource management. Additional villages Wajnapur, Buttewadgaon, Gopalwadi, Saigaon & Shankarpur were selected during period of 2015 - 2021. Activities were carried out under four major component viz. Natural Resource Management, Crop production, Livestock Management & Institutional Interventions.

Farm ponds, artificial well recharge, vermibed, insitu moisture conservation technologies, water saving technologies

were the activities carried and demonstrated on 310 ha of 640 farmers field under NRM activities. In crop production, climate resilient varieties, crop diversification, changing cropping system, pest and diseases management, Short duration varieties, high yielding



varieties were introduced on 616 ha area at 1540 farmers field. Total demonstration like backyard poultry, goat, multicut fodder, Silage making, Azolla Production, mineral mixture were demonstrated at 190 farmers field . In addition animal health checkup camp was also organized at NICRA villages. Other different interventions also demonstrated at 1150 farmer field. Similarly 240 farmers used different farm implements on 360 ha through custom hiring center established in village.

c) District Agro Met Unit (DAMU)

District Agro Met Unit (DAMU) were established at KVK, Aurangabad and KVK, Tuljapur (Osmanabad) premises in August 2019 for generating specific advisory for agricultural management for respective districts and disseminate the same to the farming community. Weather observation, crop



observation, Preparation and dissemination of Agromet Advisory Bulletin and contingency plans, Farmer Awareness Programme and identification of best management practices are activities carried out under DAMU. Block level forecast is provided to farmers groups by various means on every Tuesday and Friday. Feedback collected from the farmers on usefulness and further requirements from the service are communicated to IMD for Systematic analysis and further improvement in the service.

d) Green Initiatives

- World Environment Day is celebrated at Colleges, Research Stations and KVK on 5th June every year. Activities like tree plantation, seminars, cleaning programmes were organized on this occasion.
- *Krishi Din* is celebrated on the eve of birth anniversary of Vasant Rao Naik, former Chief Minister, Maharashtra State and Green Revolutionist on 1st July, every year. Programme of tree plantation was organized on this occasion.
- Organized awareness programmes on recycling waste of water, Agro waste management, tree plantation.



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- Organized tree plantation programme at office premises.
- Swachhta Pandharwada, Campus Cleaning, Swachhata Hi Seva programmes, Cleaning of Grampanchayat and school campus and Public places, etc. were organized under Swachh Bharat Abhiyan.
- Organized awareness programme, seminars, rallies on Clean Air v/s air pollution
- Organized Green Skill Development training Programme for extension functionaries, students farmers and youths.



e) Mera Gaon Mera Gaurav

An innovative initiative “Mera Gaon Mera Gaurav” has been implemented during 2018-19 and 2019-20 with the objective to provide farmers with required information, knowledge and advisories on regular basis. Krishi Vigyan



Kendras under the University adopted villages, scientists carried out direct interface with the farmers and solved farmer’s problems in a holistic manner to accomplish their livelihood security. Close interaction between farmers, extension functionaries and researchers hastened process of diagnosing field problems together and working out location specific recommendations.

Sr.No	Year	No of villages adopted	No of activities organized	Beneficiaries
1	2018-19	12	144	7100
2	2019-20	12	139	8240
	Total	24	283	15340

f) National Nutrition Month

Home Science discipline of Krishi Vigyan Kendras organized different activities under National Nutrition Month programme during 01st to 30th September, 2021. Extension activities like guidance regarding food and nutrition related aspects, nutritious recipes competition/ exhibition, distribution of nutritional garden kit, group discussions, visits to



nutritional gardens and farming system for nutrition models, etc. were organized in 32 villages. In all 85 activities organized benefited around 7450 farm women's/ Anganwadi workers/pregnant women/ lactating mothers/ adolescent girls regarding nutritional aspects during the programme.

g) Celebration of International Millet Year

Government of India is celebrating 2023 as International Millet Year. University has planned to organize various activities to promote cultivation of millets and to increase its consumption in human diet. Activities like awareness programmes, crop demonstration, training programme, rallies, exhibition,



exposure visits, distribution of millet seed kit to the farmers, cooking competition, etc will be organized through out year. In all 20 activities benefiting around 3500 farmers and women were organized during January & February 2023, .

The other initiatives/programmes sponsored by ICAR, GoI and other organizations in the VNMKV were as under.

- National Food Security Mission (NFSM)
- Attracting and Retaining Youth in Agriculture (ARYA)
- Integrated Farming Systems (IFS)
- M-Kisan Portal
- Soil Health Cards Scheme
- Agricultural Skill training programmes

Extension Support

- Krishi Kalyan Abhiyan (KKA)-I & II
- World Soils Day
- World Honey Bee Day
- Mahila Kisan Diwas

6.6.4.5 Innovation and best practices

Innovative Extension Campaign “Vidyapeeth Apalya Dari, Tantradnyan Shetawari”

Special extension campaign “Vidyapeeth Apalya Dari, Tantradnyan Shetawari” was launched by university and is in operation since last ten years. The campaign was launched with the objective to educate farmers on crop production technology, to boost up the productivity of different crops specially pulses and oilseeds, to solve the problems of farmers on the spot and to generate hope among farmers. Special plant protection campaign for control of major pests was implemented in the month of August-September every year under this programme. Teams of university scientists visited villages as per the pre-decided schedule. The farmers appreciated the programme for its direct utility to them.



Development of Mobile Applications

The University has reached to the doorsteps of the farmers in real terms by digitization through development of Mobile Applications. Eleven Mobile Apps on different crop technologies and agricultural information have been developed till to date and also working for development of more Mobile Apps.

Presently, Mobile App on Cotton Production Technology, Turmeric Production Technology, Sorghum Production Technology, Sweet Orange Production Technology, Plant Protection in major field crops, Dry Land Technology, Nutrient Management in field crops, Weed Management,



Extension Support

Citrus, University Diary and Technologies for farm women available and can be downloaded on Android phone through searching Agro Tech VNMKV in Google Play store.

All these Mobile Apps are developed in the local language (Marathi) for the benefit of farming community of the State.

Sr. No.	Name of the Mobile Apps	Year of launching	No. of downloads
1	Plant Nutrition (<i>Pik Poshan</i>)	29.03.2016	More than 50,000
2	Turmeric cultivation (<i>Halad lagwad</i>)	15.05.2016	More than 10,000
3	IPM technology	08.06.2016	More than 10,000
4	Cotton Cultivation (<i>Kapus</i>)	16.06.2016	11,000 to 55,000
5	Citrus cultivation	16.09.2016	6,000 to 10,000
6	Sorghum cultivation	21.01.2017	5000 to 10000
7	Dry land agriculture (<i>Kordwahu sheti</i>)	27.05.2017	2,000 to 7,000
8	Agro Tech VNMKV	20.06.2017	20000 to 30000
9	Integrated Weed Management (IWM)	27.06.2017	1,000 to 5,000
10	Water conservation and Water recharging	28.09.2017	1000 to 5000
11	Technologies for Farm Women	15.05.2021	1000 plus

Social Media Status of VNMKV

A) Youtube

- No. of views : 456039
- No. of subscribers : 15818
- No. of videos : 170

B) Facebook page reach

- No. of viewers (1 Jan. – 31 Dec. 2021) : 7,07,725
- No. of viewers (1 Jan. – 31 Dec. 2022) : 6,68,291
- No. of viewers (1 Jan. – 23 March 2023) : 2,14,084

C) PRO Blog

- No. of visitors : 674802 Visitors

D) Twitter

- No. of followers : 840

Extension Activities during Covid 19 situation

Human life has been shut down across the country during Covid 19 period. Whole population was confined at home or isolated to prevent corona spread. There was a fear, uncertainty, disruption and sense of emergency everywhere. Industry, education,



transportation, markets, etc. were closed and very badly affected due to pandemic. Agriculture was not exception to this. Due to lack of transportation, closing of markets and diminished demands.

VNMKV has developed and implemented Extension and Advisory Service (EAS) strategies to cope with situation and needs of the farmers. University has shifted from direct contact technique to e-driven virtual delivery of information with appropriate use of digital tools in a most efficient and effective manner.

Credible information, tips and advisories on crop production technologies, handling and marketing of agricultural produce were prepared in written, audio and video format and shared through online media including social media, Facebook, Whats App and You tube,etc. Online trainings and



webinars were organized by using digital platform of Zoom App, Webex, Google meet, You

tube, Facebook, etc. Messages and advisories were delivered on farmers Whats App groups and Kisan portals and through audio conferencing. University was always in convergence with farmers for linking them with markets and promoting farmers producer organizations. University



guided farmers about working in the fields with covered faces and maintaining social distance to ensure their health. University also continuously counseled and sensitized farmers

Extension Support

to reduce anxiety caused by the pandemic COVID19. The Pandemic has compelled us to explore these channels more strongly to remain connected with farming community and other stakeholders.

My One Day for My Farmers -Technology transfer on farmers field (Maza Ek Divas, Mazya Balirajyasathi)

As per the directives of the Govt.

of Maharashtra, “My One Day for My Farmers” campaign was organized by VNMKV, Parbhani during 1st September to 30th November 2022. University constituted 27 teams comprising 115 scientists. Special drive of visits of



university scientists were organized on 1st September, 3rd October, and 8th November 2022. University also planned to continue the campaign and organized visits on 1st December 2022. University scientists visited to the farmers’ fields, spent whole day with the farmers, asked about their problems and guided farmer about innovative agricultural technologies. Scientists also diagnosed field problems and suggested remedial measures. In all 450 scientists visited 240 villages benefiting over 6000 farmers in the entire Marathwada region. University Colleges, Research Stations, Extension Centres and Krishi Vigyan Kendras took active participation in the campaign.

Krishi Sanjivani Saptah

Government of Maharashtra decided to celebrate 24th June to 1st July as Krishi Sanjivani Saptah every year on occasion of birth anniversary of Vasant Rao Naik, former Chief Minister, Maharashtra and Green Revolutionist. University in coordination with State Department of Agriculture organized different extension



programmes in Marathwada during entire week. University scientists visited to the farmers’ fields and guided farmer about innovative agricultural technologies. Scientists also diagnosed field problems and suggested remedial measures on the spot.

6.6.4.6 Consultancy/Certification /Testing

Consultancy

Directorate of Extension Education through its extension centres viz. Regional Agricultural Extension Education Centers (four), Krishi Vigyan Kendras (four), Extension Education Unit and Agricultural Technology Information Center organized various on-campus and off-campus extension programmes to disseminate agricultural technologies to the doorsteps of the farmers. The extension programmes were also organized by the various Colleges, Research Stations and Schemes. These extension activities includes Field visits, Diagnostic Visits, Training programmes, Farmers' Rallies, Exhibitions, Crop Demonstrations, Monthly District Workshops, Agril. Publications, AIR and TV programmes, Telephone Help-lines, Press publicity, etc. Special extension activities viz. Plant Protection Campaign, *Vidyapeeth Aplya Dari Tantradnyan Shetawari* and *Krishi Sanjivani Sapthah*, etc. were also organized.

Farmers, farmwomen, youths, entrepreneurs, officers of State Department of Agriculture and line Departments, NGOs and SHGs, etc were the ultimate beneficiaries. There was no intension to generate any type of revenue from the farmers. All these activities were organized free of cost and there was no any type of consultancy fee charged.

Table: Testing

Sr. No.	Year	Revenue Generated (Rs.in Lakhs)
1	2018-19	367.05
2	2019-20	205.09
3	2020-21	171.34
4	2021-22	191.20
5	2022-23	609.87
	Total	1544.55

Extension Support

Table: Extension Education Activities carried out during last five years (2018-19 to 2022-23)

Extension Activity	2018-19		2019-20		2020-21		2021-22		2022-23		Total	
	Number	Beneficiaries	Number	Beneficiaries	Number	Beneficiaries	Number	Beneficiaries	Number	Beneficiaries	Number	Beneficiaries
Field visit/Diagnostic team visit	1653	31745	1365	26745	615	12400	674	17895	1223	23234	5530	112019
Training Programmes	423	16500	412	17100	285	13200	315	16400	537	19069	1972	82269
Farmers Rally	170	87900	165	48790	47	22000	45	23400	115	55457	542	237547
Agri. Exhibition	30	710500	38	600000	10	77887	13	160559	27	693943	118	2242889
Field day	32	6135	28	5650	13	2614	20	2140	43	7095	136	23634
Group Discussion	640	9200	465	7600	445	4315	410	4175	315	6803	2275	32093
Monthly District Workshop	96	6050	90	4635	80	2750	89	4640	96	7245	451	25320
Crop Demonstrations	335	2876	380	2859	433	2164	462	3045	947	2707	2557	13651
AIR Programmes	270	-	265	-	215	-	180	-	234	-	1164	-
TV Programmes	72	-	74	-	85	-	72	-	68	-	371	-
Vidyapeeth Aplya Dari Tantradyanan Shetawari	285	7384	300	11900	150	9800	122	6221	218	8276	1075	43581
Plant Protection Campaign	170	8590	244	10975	135	12700	145	21450	200	7827	894	61542
Krishi Sanjivani Saptah	169	10940	190	13170	233	12000	210	16780	215	18900	1017	71790
Total	4345	897820	4016	749424	2767	171830	2767	276705	4284	650556	18179	2746335

Table: Agricultural Publications published during last five years (2018-19 to 2022-23)

Sr.No.	Publications	2018-19		2019-20		2020-21		2021-22		2022-23		Total	
		No.	Copies	No.	Copies	No.	Copies	No.	Copies	No.	Copies	No.	Copies
1	Agricultural Diary	01	10000	01	10000	01	10000	01	5000	01	5000	05	40000
2	Booklets	10	4000	8	3900	5	2500	6	8550	7	4950	36	23900
3	Folders	23	14850	21	14050	28	22650	30	19900	14	21000	115	92450
4	leaflets	3	1500	4	2500	2	2000	3	1500	4	5500	16	13000
5	Magazine (Sheti-Bhati)	12	1000	12	1000	12	1000	12	1000	12	1000	60	5000
6	Calendar	01	1500	01	1500	01	1500	01	2000	01	2000	05	9500
	Total	50	32850	47	32950	49	39650	53	37950	39	39450	238	182850

Five Major achievements

▪ **Farmers Rallies**

Directorate of Extension Education organizes 3 region level farmers rallies viz, *Kharif* farmers rally on 18th may on the eve of University Foundation Day, Rabi Farmers Rally on 17th September on the eve of Marathwada Liberation Day and Women Farmers Rally on 3rd January on the eve of birth anniversary of a great social revolutionist Kranti Jyoti Savitribai Phule.

▪ **Innovative Extension Campaign “Vidyapeeth Apalya Dari, Tantradnyan Shetawari”**

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▪ **Extension Activities during Covid 19 situation**

VNMKV has developed and implemented Extension and Advisory Service (EAS) strategies to cope with situation and needs of the farmers. University has shifted from direct contact technique to e-driven virtual delivery of information with appropriate use of digital tools in a most efficient and effective manner.

Credible information, tips and advisories on crop production technologies, handling and marketing of agricultural produce were prepared in written, audio and video format and shared through online media including social media, Facebook, Whats App and You tube,etc. Online trainings and webinars were organized by using digital platform of Zoom App, Webex, Google meet, You tube, Facebook, etc. Messages and advisories were delivered on farmers Whats App groups and Kisan portals and through audio conferencing. University was always in convergence with farmers for linking them with markets and promoting farmers producer organizations. University guided farmers about working in the fields with covered faces and maintaining social distance to ensure their health. University also continuously

counseled and sensitized farmers to reduce anxiety caused by the pandemic COVID19. The Pandemic has compelled us to explore these channels more strongly to remain connected with farming community and other stakeholders.

▪ **Development of Mobile Applications**

The University has reached to the doorsteps of the farmers in real terms by digitization through development of Mobile Applications. Eleven Mobile Apps on different crop technologies and agricultural information have been developed till to date and also working for development of more Mobile Apps.

Presently, Mobile App on Cotton Production Technology, Turmeric Production Technology, Sorghum Production Technology, Sweet Orange Production Technology, Plant Protection in major field crops, Dry Land Technology, Nutrient Management in field crops, Weed Management, Citrus, University Diary and Technologies for farm women available.

▪ **My One Day for My Farmers -Technology transfer on farmers field**

As per the directives of the Govt. of Maharashtra, “My One Day for My Farmers” campaign was organized by VNMKV, Parbhani during 1st September to 30th November 2022. University constituted 27 teams comprising 115 scientists. Special drive of visits of university scientists were organized on 1st September, 3rd October, and 8th November 2022. University also planned to continue the campaign and organized visits on 1st December 2022. University scientists visited to the farmers’ fields, spent whole day with the farmers, asked about their problems and guided farmer about innovative agricultural technologies. Scientists also diagnosed field problems and suggested remedial measures. In all 450 scientists visited 240 villages benefiting over 6000 farmers in the entire Marathwada region. University Colleges, Research Stations, Extension Centres and Krishi Vigyan Kendras took active participation in the campaign.

6.6.5 Faculty and Staff Development

6.6.5.1 Recruitment and Promotional Avenue

6.6.5.1.1 Recruitment Procedure

The appointments of various staff members are made by giving publicity in the leading newspapers at state and national level and also by circulating the documents to all SAUs and other concerned institutions and organizations of India. The procedure laid down as per the provisions of Act and Statutes followed for nomination and promotion of staff members on the basis of available vacant posts. The academic staff members are covered under UGC scales, the guidelines specified by the ICAR are taken into consideration. The recruitment and promotion for the posts of Professors and above cadres are made by the MCAER, Pune which is the authority of making selections of such cadres in four agricultural universities in Maharashtra, by following the rules and regulations made applicable for the said purpose. The policies of reservations are followed strictly as per the directives of the Government.

The qualifications prescribed for recruitment of academic officers and staff members are given below.

Table : qualifications for academic officers and staff members.

Sr. No.	Designation of Post	Qualification	
		As per MAU first amendment 15 march 2014 /6 th pay	as per 7th Pay GR of Teachers dated 12.08.2021
1	Director of Instruction/ Director of Research/ Director of Extension Education	A Ph.D. in any Faculty of agriculture and allied sciences. An eminent Scientist or Teacher, having at least eighteen years experience in the field of teaching or research or extension education, out of which at least three years experience shall be in the position of regular Head of the Department OR An eminent Scientist or Teacher, having at least eighteen years experience in the field of teaching or research or extension education, out of which at least five years experience	A. Eligibility: i. Ph.D. degree with 18 years of experience in teaching/research in Universities, Colleges and other institutions of higher education; which shall include five years experience as a Professor. ii. A minimum of 10 research publications in peer-reviewed or UGC-listed journals/NAAS rated journals (National Academic Agricultural Sciences; iii. A minimum of 110 Research Score as per Appendix II, Table 2 B. Tenure: Dean and Directors shall be appointed for a period of five years, extendible for another term of five years on the basis of performance assessment by the

		shall be in the cadre of regular Professor or its equivalent ; (2) Experience of guiding at least five post graduate students ; (3) Ability to initiate, organize and coordinate teaching, research and extension education. (4) Evidence of at least ten published papers in recognized journals having National Academy of Agricultural Science rating ; (5) A minimum score as stipulated in the Academic Performance Indicator (API) based on Performance Based Appraisal System (PBAS) prescribed by the University.	Recruitment Board constituted as per Maharashtra Agricultural Universities Act Committee appointed by the University, constituted as per these Rules.
2	Dean of Faculty	(1) A Ph.D. in any Faculty of agriculture or allied sciences ; An eminent Scientist or Teacher, having at least eighteen years experience in the field of teaching or research or extension education, out of which at least three years experience shall be in the position of regular Head of the Department :OR An eminent Scientist or Teacher, having at least eighteen years experience in the field of teaching or research or extension education, out of which at least five years experience shall be in the cadre of regular Professor or its equivalent ; (2) Experience of guiding at least five post graduate students; (3) Ability to initiate, organize and co-ordinate teaching, research and extension education ; (4) Evidence of	

		at least ten published papers in recognized journals having National Academy of Agricultural Science rating ; (5) A minimum score as stipulated in the Academic Performance Indicator (API) based on Performance Based Appraisal System (PBAS).	
3	Associate Dean	<p>(1) A Ph.D. in respective faculty ; A minimum fifteen years experience in the field of teaching or research or extension education, out of which at least three years experience as Head of the Department. OR A minimum fifteen years experience in the field of teaching or research or extension education out of which five years experience shall be in the cadre of regular professor or its equivalent ; (2) Experience of guiding at least five post graduate students ; (3) Contribution to educational innovation, design of new curricula and courses, and technology mediated teaching-learning process ; (4) Ability to initiate, organize and co-ordinate teaching, research and extension education ; (5) Evidence of at least ten published papers in recognized journals having National Academy of Agricultural Science rating ; (6) A minimum score as stipulated in the Academic Performance Indicator (API) based on Performance Based Appraisal System (PBAS).</p>	<p>A. Eligibility:</p> <ul style="list-style-type: none"> i. Ph.D. degree; ii. Professor/ Associate Professor with a total service/ experience of at least fifteen years of teaching/ research in Universities, Colleges and other institutions of higher education; iii. A minimum of 10 research publications in peer-reviewed or UGC- listed journals /NAAS rated journals (National Academic Agricultural Sciences) iv. A minimum of 110 Research Score as per Appendix II, Table 2 <p>B. Tenure:</p> <p>An Associate Dean / Principals shall be appointed for a period of five years, extendible for another term of five years on the basis of performance assessment by the Recruitment Board constituted as per Maharashtra Agricultural Universities Act Committee appointed by the University, constituted as per these Rules.</p>

4	Head of Department	<p>(1) A Ph.D. in respective discipline ; A minimum twelve years experience in teaching or research or extension education, out of which at least three years experience shall be in the cadre of regular Professor or its equivalent ; OR A minimum twelve years experience in teaching or research or extension education, out of which seven years experience shall be in the cadre of Associate Professor or its equivalent ;</p> <p>(2) Experience of guiding at least three post graduate students ;</p> <p>(3) Contribution to educational innovation, design of new curricula and courses and technology mediated teaching-learning process ;</p> <p>(4) Ability to initiate, organize and co-ordinate teaching, research and extension education</p> <p>(5) Evidence of at least ten published papers in recognize journals having National Academy of Agricultural Science rating;</p> <p>(6) A minimum score as stipulated in the Academic Performance Indicator (API) based on Performance Based Appraisal System (PBAS).</p>	<p>Eligibility : i. An eminent scholar with good track record of high-quality research publications in Peer-reviewed or UGC-listed journals/NAAS rated journals (National Academic Agricultural Sciences), significant research contribution to the discipline, and engaged in research supervision. ii. A minimum of ten years of teaching/research experience as Professor or an equivalent grade in a University, College or an institute of national level. iii. The selection shall be based on academic achievements, favourable review from three eminent subject experts who are not less than the rank of Senior Professor or a Professor of at least ten years experience. iv. The selection shall be based on ten best publications in the Peer-reviewed or UGC - listed journals/NAAS rated journals (National Academic Agricultural Sciences) and award of Ph.D. degrees to at least two candidates under his/her supervision during the last 10 years and interaction with the Recruitment Board constituted as per these Rules.</p>
5	Professor	<p>(1) A Ph.D. in respective discipline;</p> <p>(2) A minimum of eleven years experience in teaching or research or extension out of which three years shall be in the cadre of regular Associate</p>	<p>A. i) An eminent scholar having a Ph.D. degree in the concerned/allied/relevant discipline, and published work of high quality, actively engaged in research with evidence of published work with, a minimum</p>

		<p>Professor or its equivalent; (3) Contribution to educational innovation, design of new curricula and courses and technology mediated teaching-learning process; (4) Experience of guiding at least two post graduate students; (5) Evidence of at least 10 published papers in recognized journals having National Academy of Agricultural Science rating. (6) A minimum score as stipulated in the Academic Performance Indicator (API) based on Performance Based Appraisal System (PBAS).</p>	<p>of 10 research publications in the peer-reviewed or UGC- listed journals/NAAS rated journals (National Academic Agricultural Sciences) and a total research score of 120 as per the criteria given in Appendix II, Table 2. ii) A minimum of ten years of teaching experience in university/college as Assistant Professor/Associate Professor/Professor, and / or research experience at equivalent level at the University/National Level Institutions with evidence of having successfully guided doctoral candidate. OR B. An outstanding professional, having a Ph.D. degree in the relevant/allied/applied disciplines, from any academic institutions (not included in A above) / industry, who has made significant contribution to the knowledge in the concerned/allied/relevant discipline, supported by documentary evidence provided he/she has ten years experience.</p>
6	Associate Professor	<p>(1) A Ph.D. in respective discipline; (2) A minimum eight years of experience in teaching or research or extension education in the position of Assistant Professor or its equivalent; in a University or Accredited grant -in- aid College, Recognized Research Institution Excluding the period of Ph.D.; (3) Contribution to educational innovation, design of new curricula and courses and technology mediated teaching-learning process with evidence of having guided two post graduate students worked on advisory committee of</p>	<p>i. A good academic record, with a Ph.D. Degree in the concerned/allied/relevant disciplines; ii. A Masters Degree with at least 55% marks (or an equivalent grade in a point-scale, wherever the grading system is followed); iii. A minimum of eight years of experience of teaching and / or research in an academic/research position equivalent to that of Assistant Professor in a University, College or Accredited Research Institution /industry with a minimum of seven publications in the peer-reviewed or UGC- listed journals/NAAS rated journals (National Academic Agricultural Sciences) and a total research score of Seventy Five (75) as per the criteria given in Appendix II,</p>

		five post graduate students in the discipline where masters programme is not available; (4) Evidence of at least five published papers in recognized journals having National Academy of Agricultural Science rating; (5) A minimum score as stipulated in the Academic Performance Indicator (API) based on Performance Based Appraisal System (PBAS).	Table 2.
7	Assistant Professor	(1) Ph.D. in relevant discipline; OR Masters degree in relevant discipline from an accredited University along with National Eligibility Test (NET) conducted by Indian council of Agriculture Research(ICAR)/ University Grants Commission (UGC) / Council of Scientific and Industrial Research (CSIR) or similar test accredited by the University Grants Commission (UGC) Like State Level Eligibility Test (SLET) / State Eligibility Test (SET). (2) National Eligibility Test (NET) / State Level Eligibility Test (SLET)/ State Eligibility Test (SET) shall also not be required for such masters programme in disciplines for which National Eligibility Test (NET) / State Level Eligibility Test (SLET) / State Eligibility Test (SET) is not conducted.	Eligibility (A or B): A. 1) A Masters degree with 55% marks (or an equivalent grade in a point-scale wherever the grading system is followed) in a concerned/relevant/allied subject from an Indian University, or an equivalent degree from an accredited foreign university. 2) Besides fulfilling the above qualifications, the candidate must have cleared the National Eligibility Test (NET) conducted by the UGC or the ICAR, or a similar test accredited by the UGC, like SET or who are or have been awarded a Ph.D Degree in accordance with the University Grants Commission (Minimum Standards and Procedure for Award of M.Phil./Ph.D. Degree) Regulations, 2009 or 2016 and their amendments from time to time as the case may be exempted from NET/SET : Provided the candidates registered for the Ph.D. programme prior to July 11, 2009, shall be governed by the provisions of the then existing Ordinances / Bye-laws / Regulations of the Institution awarding the degree and such Ph.D. candidates shall be exempted from the requirement of NET/ SET for recruitment and appointment of Assistant Professor

			<p>or equivalent positions in Universities/Colleges/Institutions subject to the fulfillment of the following conditions: a) The Ph.D. degree of the candidate has been awarded in regular mode only; b) The Ph.D. thesis has been evaluated by at least two examiners; c) An open Ph.D. viva voce of the candidate has been conducted; d) The candidate has published two research papers from his/her Ph.D. work, out of which at least one is in a referred journal; e) The candidate has presented at least two papers, based on his/her Ph.D. work in conferences/seminars, sponsored/funded/supported by the UGC/ICAR/CSIR or any similar agency. The fulfilment of these conditions is to be certified by the Registrar or the Dean (Academic affairs) of the University concerned. Note: NET/SET shall also not be required for such Masters Programmes in disciplines for which NET/SET is not conducted. However, Ph.D. degree shall remain the minimum eligibility for appointment of Assistant Professor in such disciplines.</p> <p>OR</p> <p>B. The Ph.D. degree has been obtained from a foreign university/institution with a ranking among top 500 in the World University Ranking (at any time) by any one of the following: (i) Quacquarelli Symonds (QS) ; (ii) the Times Higher Education (THE) or (iii) the Academic Ranking of World Universities (ARWU) of the Shanghai Jiao Tong University (Shanghai).</p>
8	Assistant Librarian	As per university Advertisement No. VNMKV /APA/1/2015 dated 10.03.2015	1 A Masters degree in Library Science, Information Science or Documentation Science or an

		<p>1) Ph.D. in relevant discipline: OR Masters degree in relevant discipline from an accredited University along with National Eligibility Test (NET) conducted by Indian Council of Agriculture Research (ICAR) / University Grants Commission (UGC)/Council of Scientific and Industrial Research (CSIR) or similar test accredited by the University Grant Commission (UGC) like State Level Eligibility Test(SLET)/State Eligibility Test (SET). (2) National Eligibility Test (NET) State Level Eligibility Test (SLET) State Eligibility Test (SET) shall also not be required for such masters programme in disciplines for which National Eligibility Test (NET), State Level Eligibility Test (SLET) / State Eligibility Test (SET) is not conducted</p>	<p>equivalent professional degree, with at least 55% marks (or an equivalent grade in a point-scale, wherever the grading system is followed). 2 A consistently good academic record, with knowledge of computerization of a library. 3 Besides fulfilling the above qualifications, the candidate must have cleared the National Eligibility Test (NET) conducted by the UGC, CSIR, or a similar test accredited by the UGC, like SET or who are or have been awarded a Ph.D Degree in accordance with the UGC (Minimum Standards and Procedure for Award of M.Phil./Ph.D Degree) Regulations, 2009 or 2016 and their amendments from time to time as the case may be. <i>Provided that</i>, the candidates registered for the Ph.D. programme prior to July 11, 2009, shall be governed by the provisions of the then existing Ordinances / Bye-laws / Regulations of the Institutions awarding the degree and such Ph.D. candidates shall be exempted from the requirement of NET/ SET for recruitment and appointment of Assistant Professor or equivalent positions in Universities/Colleges/Institutions subject to the fulfilment of the following conditions: a) The Ph.D. degree of the candidate has been awarded in regular mode only; b) The Ph.D. thesis has been evaluated by at least two examiners; c) An open Ph.D. viva voce of the candidate has been conducted; d) The candidate has published two research papers from his/her Ph.D. work, out of which at least one is in a referred journal; e) The candidate has presented at least two papers, based on his/her</p>
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			Ph.D. work in conferences / seminars, sponsored / funded/ supported by the UGC/ CSIR/ ICSSR or any similar agency. The fulfilment of these conditions is to be certified by the Registrar or the Dean (Academic affairs) of the University concerned.
9	Dy. University Engineer	i) Bachelors degree in Civil Engineering (B.E civil) & at least 03 years Experience in the pay scale of 15600-39100 GP Rs 5400/-in government or semi government institute (as per MCAER Resolution) ii) Preference will be given to Masters degree in Structural Engineering (M.E structure)	
10	Senior Research Assistant	Masters Degree in respective discipline	
11	Junior Research Assistant	Bachelors degree in the respective Faculty.	
12	Jr. Engineer	B.E.Civil/ B.E. Ele. Degree or diploma of the recognized Uni./Institution in the concerned subject.	
13	Assistant Registrar/Assistant Comptroller	As per university Advertisement 2015 Bachelors degree any faulty of statutory university at least II nd Class and 10 years experience work of Govt./ renowned Semi govt. Organization /recognized universities /recognized industrial /Educational Institutes/Local Bodies, out of which 3 years experience should be in the rank of Section officers or its equivalent.	
14	Computer Programmer	1. Degree in Computer Science or equivalent from a recognized University. OR 1. Degree in Arts/ Science/Science from any recognized University.	
15	Computer Operator	2. Post Graduate Degree in Computer Science from a recognized university or equivalent and two years experience in office and computer work from a recognized institution.	
16	Section Officer	1. Passed degree from any recognized University or passed SSC/equivalent examination for candidates who were in Agricultural University service before 28-02-1991. 2. At least 10 years of experience in office work in Government/ Recognized Semi-Government Institutions/ Government Aided Institutions. Out of which minimum 03 years experience as Assistant Superintendent/similar post. OR Minimum 15 years experience as Senior Clerk in Agricultural University Service. 3. Knowledge of using computer is required, for this a certificate of 03 months duration of computer course given by a government recognized institution is required.	
17	Sr. Clerk/ Cashier/ Store Keeper	1. Passed degree from any recognized University or passed SSC/equivalent examination for candidates who were in Agricultural University service before 28-02-1991. 2. Knowledge of using computer is required, for this a certificate	

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		of 03 months duration of computer course given by a government recognized institution is required.
18	Jr. Clerk	<p>1. Degree in any discipline from a recognized University or any other qualification declared as equivalent by the Government.</p> <p>2. Marathi Typing 30 S.P.M. OR English Typing 40 S.P.M. Must possess Government Commercial Certificate of Speed Limit or Computer Typing Certificate.</p> <p>3. Knowledge of using computer is required, for this a certificate of 03 months duration of computer course given by a government recognized institution is required.</p>

6.6.5.1.2 Recruitment details for each category

During last five years University has published advertisements for vacant post of Associate Professor, Assistant Professor, SRA, JRF and supporting staff. The details of these advertisements are given below.

Table: Advertisement details - 1st January 2018 to 31st March 2023

Sr. No.	Category	Details of Advertisement	Remarks (No. of Posts filled)
1.	Faculty		
	Head	Advt. No. MAURB/MCAER/ Advt. 27(D)/247/2018 Dt.20.12.2018	03
	Professor		07
	Associate Professor	No. VNMKV/APA/2/2014 Dt. 05.01.2015	03 (2018)
2.	Technical Staff		
	Senior Research Assistant	Senior Research Assistant Advertisement published Dt. 22.05.2017	SRA -14 Post (2021)
3.	Supporting and Administrative Staff		
	Agricultural Assistant (Diploma Holder)	VNMKV-1/2014	36 (2018-19)
	Agricultural Assistant (Degree Holder)	Dt. 25.11.2014	45 (2019-22)
	Sr. Clerk, Jr. Clerk, Steno Typist	Nil.	---
	Medical officer	No.-ADVT- 01/VNMKV/2020 Dt. 26.05.2020	01
	Security officer	No.- ADVT- 01/VNMKV/2019 Dt. 04.02.2019	01
Total			110

6.6.5.1.3 Procedure for implementation of Career Advancement Scheme (CAS)

Career Advancement Scheme is in vogue for the academic staff members in the University. Presently (after the implementation of 6th Pay Commission), the benefit of the scheme is extended to all the academic staff members working in the University. The benefits of the schemes are given in accordance with the various government rules and regulations as mentioned below.

Table: Regulations for CAS

S.No.	Rule / Regulations / Ordinance
1	Government Resolution, Agriculture and ADF Department No. AGU-1109/CR-252/6-A dated 18-3-2010.
2	Maharashtra Agricultural Universities (Krishi Vidyapeeths) (First Amendment) 2014
3	UGC (Minimum Qualifications for Appointment of Teachers and other Academic staff in Universities and Colleges and other measures for the maintenance of standards in higher education) Regulations 2010 dated 30-6-2010
4	Proceedings of IQAC meeting

The Career Advancement Scheme is implemented in the University abide by rules and regulation as referred above. University (Member Secretary, IQAC) calls the proposal from eligible academic staff members for upward movement of AGP under Career Advancement Scheme.

These proposals thoroughly scrutinized by scrutiny committee and API i.e. Average Performance Indicator of each academic staff member is calculated. The eligible proposal and API of the academic staff member will be verified by the internal quality assessment cell of the University.

Table: Composition of IQAC

S.No.	Designation	Position
1.	Hon. Vice-Chancellor	Chairman
2.	Registrar	Member Secretary
3.	Director of Instruction and Dean	Member
4.	Director of Research	Member
5.	Director of Extension Education	Member
6.	Three Directors from outside the University nominated by Vice-Chancellor	Members
7.	Associate Dean and Principal nominated by the Hon.Vice-Chancellor	Member
8.	Head of the Department nominated by the Hon. Vice-Chancellor	Member

Subsequently, screening cum evaluation committee (as depicted in MAU Statute Amendment, 2014 and UGC Regulation 2010) evaluate the proposal and made the recommendation for upward movement of AGP. On the basis of recommendation of screening cum evaluation committee, Hon. Vice-Chancellor award the AGP to the concerned academic staff members.

The minimum academic performance and service requirements for promotion of academic staff through career advancement scheme is as follows.

Table: Criteria for Promotion under CAS

S. No.	Promotion of academic staff through CAS	Service requirement	Minimum academic performance requirement and screening / selection criteria
1	Assistant Professor / equivalent cadres From Stage 1 to Stage 2	Assistant Professor in Stage 1 and completed four years of service with Ph.D or five years of service who are with M.Phil PG Degree in Professional Courses such as M.Tech, M.V.Sc. or six years of service who are without Ph.D. / M.Phil / PG Degree in Professional Courses.	(i) Minimum API scores using PBAS scoring proforma as per the norms provided in Table 4 or 5 as the case may be; (ii) Two Refresher or Research Methodology Courses of 2/3 week duration; (iii) Screening cum Verification process of recommending promotion.
2	Assistant Professor / equivalent cadres From Stage 2 to Stage 3	Assistant Professor with completed service of five years in Stage 2.	(i) Minimum API scores using PBAS scoring proforma as per the norms provided in Table 4 or 5 as the case may be; (ii) One course or programme from among the categories of methodology workshop, Training, Teaching-Learning-Evaluation on Technological Programmes, Soft Skills development programmes and Faculty Development Programmes of 2/3 week duration; (iii) Screening cum Verification process of recommending promotion.
3	Assistant Professor (Stage 3) to	Assistant Professor with completed service	(i) Minimum API scores using PBAS scoring proforma as per the norms

	Associate Professor (Stage 4)	of three years in Stage 3.	<p>provided in Table 4 or 5 as the case may be;</p> <p>(ii) At least three publications in the entire period as Assistant Professor (twelve years). However, in the case of College teachers, an exemption of one publication will be given to M.Phil. holders and an exemption of two publications will be given to Ph.D. holders;</p> <p>(iii) One course or programme from among the categories of methodology, workshop, Training, Teaching-Learning-Evaluation Technological Programmes. Soft Skills development programmes and Faculty Development Programmes of minimum one week duration;</p> <p>(iv) A Selection Board process as stipulated in this Statute and in Tables 4 or 5 as the case may be.</p>
4	Associate Professor (Stage 4) to Professor / equivalent cadres (Stage 5)	Associate Professor with completed service of three years in Stage 4.	<p>(i) Minimum yearly /cumulative API scores using PBAS scoring proforma as per the norms provided in Table 4 or 5 as the case may be. Academic Staff members may combine two assessment periods (in Stages 2 and 3) to achieve minimum API scores, if required. (ii) A minimum of five publications since the period that the academic staff is placed in Stage 3. (iii) A Selection Board process as stipulated in this Statute and in Tables 4 or 5 as the case may be.</p>
5	Professor (Stage 5) to Professor (Stage 6)	Professor with complete service of ten year (universities only)	<p>(i) Minimum yearly / cumulative API scores using PBAS scoring proforma as per the norms provided in Table 4. (ii) Additional credentials are to be evidenced by : (a) post-doctoral research outputs of high standard : (b) awards of honours / recognitions / patents and IPR on products and processes developed / technology transfer achieved; and (c) Additional research degrees like D.Sc.,D.Litt., etc.;</p> <p>(iii) A review process by an Expert</p>

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		Committee process as stipulated in this statute and in Table 4.
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**Table: No. of Academic staff members awarded under CAS
(1 January 2018 to 31 March 2023)**

Sr.No	University order no.	Date	No. of Academic staff members awarded			
			AGP Rs. 7000/-	AGP Rs 8000/-	AGP Rs 9000/-	AGP Rs 10000/-
1	APA-1/CAS	14.03.2018	10	-	-	-
2	APA-1/CAS	15.03.2018	-	46	-	-
3	APA-1/CAS	05.10.2018	-	03	-	-
4	APA-1/CAS	05.10.2018	02	-	-	-
5	APA-1/CAS	02.04.2018	-	-	09	-
6	APA-1(MCAER letter dt 27.12.2020)	23.01.2020	-	-	-	05
7	No 2021/F.N1177 /Cas Stage 1 to 2/Est-1/2807	31.07.2021	52	-	-	-
8	No 2021/F.N1177 / Cas Stage 2 to 3/Est-1/2806	31.07.2021	-	51	-	-
9	No 2021/F.N1177/ Cas Stage 3-4/Est-1/2805	31.07.2021	-	-	20	-
Total			64	100	29	05

Table: Staff members Recruited directly at higher position (2018-19 to 2022-23)

Sr.No	Year	Recruited
1	01 January 2018 to 31 March 2019	03 Associate Prof.
2	01 January 2019 to 31 March 2020	03 HOD, 07 Professor
3	01 January 2020 to 31 March 2021	-
4	01 January 2021 to 31 March 2022	-
5	01 January 2022 to 31 March 2023	-

Table: Staff members Promoted at higher position (2018-19 to 2022-23)

Sr No	Year	Promoted			Total
		Assistant Professor	Associate Professor	Professor & above	
1	01 January 2018 to 31 March 2019	10	10	04 (01 HOD 03 Professor)	24
2	01 April 2019 to 31 March 2020	07	04	00	11
3	01 April 2020 to 31 March 2021	00	00	00	00

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4	01 April 2021 to 31 March 2022	07	09	00	16
5	01 April 2022 to 31 March 2023	00	00	00	00
Total		24	23	04	51

Table: Present staff position

Group	No. of sanctioned post			No. of filled post			No. of vacant post		
	Nomination	Promotion	Total	Nomination	Promotion	Total	Nomination	Promotion	Total
A	334	241	575	165	152	317	169	89	258
B	72	97	169	29	80	109	43	17	60
C	474	184	658	207	141	348	267	43	310
D	1386	---	1386	570	---	570	816	--	816
Total	2266	522	2788	971	373	1344	1295	149	1444

6.6.5.2 Participation of Faculty in Symposia/Workshops

The comprehensive list of faculties participated in national / international seminars / symposia / workshop / trainings / consultancy visit / special assignment / etc. is enclosed as Appendix-II.

**College of Agriculture, Parbhani
Department of Agronomy**

Sr. No	Name of participant	Title of National / International seminars / symposia/workshop/ training/ consultancy visits/ special assignment etc.	Duration with date	Place	Organizing Agency
2018 - 2019					
1	Dr. Mirza, I.A.B	2 nd National Conference on Doubling Farmers Income for Sustainable & Harmonious Agriculture, ..	11 th & 12 th August-2018,	Ranchi,Jharkhand,India	DISHA-2018
2	Dr. Jagtap, M. P.	1.National Symposium on Doubling Farmers Income Through Agronomic Interventions	24 -26 Oct. 2018	Udaipur	MPUAT, Udaipur

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		under changing scenario			
		2.Employment generation among Rural Youth through Agripreneurship	04.06.2018 to 16.06.2018	AGMOOC	BAU, Bihar
2019-2020					
1	Dr.Awasarmal,V.B.	1.Resource management in rainfed drylands	A five-week Online course 6 May 2019	agMOOCs,	Indian Institute of Technology Kanpur
		2.Design Thinking for Agricultural Implements	An eight-week Online course 17 Dec. 2019	agMOOCs,	Indian Institute of Technology Kanpur
		3. Conservation Agriculture-based Sustainable Intensification	31.03.2020 (Six week Online course)	agMOOCs	Indian Institute of Technology Kanpur
		4.National Symposium on Climate change, Pollution and Harmony with Nature	25 Jan.2020	MSUB, Vadodara, Gujarat	The Institution of Engineers(India)Vadodara and Indian Association for Air pollution control, Dept. Of Geography
5	Dr. Pawar, S.U.	1.Design Thinking for Agricultural Implements	An eight-week Online course 17 Dec. 2019	agMOOCs,	Indian Institute of Technology Kanpur
		2.Conservation Agriculture-based Sustainable Intensification	31.03.2020 (Six week Online course)	agMOOCs	Indian Institute of Technology Kanpur

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6	Dr.Jagtap, M. P.	Remote Sensing and Image Processing	06.01.2020 To 28.02.2020	IIRS, Dehradun	IIRS, Dehradun
2020 - 2021					
1	Dr. Narkhede, W.N.	1.One week Online training programme on Recent Trends in Academic Writing	May20-24,2020	VNMKV, Parbhani	University Library, VNMKV, Parbhani
		2.One week Online training programme on Applications of Remote Sensing and GIS in Digital Agriculture	June 04-08, 2020.	VNMKV, Parbhani	NAHEP CAAST
		3.One week Online training programme on Climate Resilient Technologies for Rainfed Agriculture	June 11-15, 2020,	VNMKV, Parbhani	NAHEP CAAST
		4.One week Online training programme on Present and Futuristic Trends in Agricultural Mechanisation	June 18-23, 2020	VNMKV, Parbhani	NAHEP CAAST
		5.One week Online training programme on Recent Advances & Instrumentation in Agricultural Meteorology	26 th May to 2 nd June 2020	VNMKV, Parbhani	NAHEP CAAST
		6.National Webinar on Strateg for Strengthening Agricultural Education under Chaning Scenario of COVID-19	June 26-27, 2020	Online	Swami Keshwanand Rajasthan Agricultural University, Bikaner
		7.Seven days Online Faculty Development Programme on New Educational Environment	July 15-21, 2020	Online	Dr. PDKV, Akola

Faculty and Staff Development

		through Information Technology			
		8.Recent Physio-Molecular Digital Tools in Abiotic Stress Management for Crop Modelling	29 June to 03 July, 2020	VNMKV, Parbhani	NAHEP CAAST
		9. One week Online training programme on Recent Trends in Academic Writing	May20-24,2020	VNMKV, Parbhani	University Library, VNMKV, Parbhani
2	Dr. Asewar, B.V.	1.Participated in 2 weeks Online training programme on application of Digital Technology in Agriculture.	13 to 24 July, 2020	Online	Jointly organized by IIT KGP & NAHEP, VNMKV, Parbhani
		2.Resource conservation technologies in pulse for self sufficiency Pulse Web Con-2021	9-11 Feb. 2021	Online seminar	organize by IIPR, Kanpur, Uttrakhand
3	Dr.Awasarmal, V.B.	New educational environment through information technology	15-21, July2020	Online	Dr. PDKV, Akola
4	Dr. Pawar, S.U.	1.New educational environment through information technology	15-21, July2020	Online	Dr. PDKV, Akola
		2.Recent advances in instrumentation in agricultural meterology	26 May-2 June 2020	Online	NAHEP CAAST, VNMKV, Parbhani
		3.Resource conservation technologies in pulse for self sufficiency Pulse Web Con-2021	9-11 Feb. 2021.	Online	IIPR, Kanpur, Uttrakhand
		4.Under-utilized Crops for Augmenting Farmers Income in Abiotic Stress Region	10 Aug. 2020	National Webinar	ICAR- NIASM & Society for Agricultural Research on Abiotic Stress (SARAS) Baramati, Pune,

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					Maharashtra 413115, India
		5. Agri innovations to combat food and nutrition challenges 5 th International Agronomy Congress	23-27, Nov. 2021.	Hyderabad, India	The Indian Society of Agronomy, New Delhi and PJTSAU, Hyderabad
		6. Recent trends in academic writing	20-24, May 2020	Online	VNMKV, Parbhani
5	Dr. Jagtap, M. P.	1. Three weeks training program on Application of Digital Technology for Smart Agriculture	10 to 28 Aug 2020	Online	IIT, Mumbai & NAHEP, VNMKV, Parbhani.
		2. Training program on Digital Technology in Agriculture	13 to 24 July 2020	Online	IIT KGP & NAHEP, VNMKV, Parbhani.
		3. Resource conservation technologies in pulse for self-sufficiency	9-11 Feb. 2021.	Online	Pulse Web Con- 2021, organize by IIPR, Kanpur, Uttarakhand
		4. Women leadership in Agricultural Entrepreneurship Equity and Empowerment	8-10 Mar. 2021	Online	NAARM, Hyderabad
2021 - 2022					
1	Dr. Awasarmal, V.B.	1. Agri innovations to combat food and nutrition challenges 5 th International Agronomy Congress	23-27 Nov., 2021.	Hyderabad, India	The Indian Society of Agronomy, New Delhi and PJTSAU, Hyderabad
		2. Effective e-Content Development for Education in Agriculture	21-22, Nov., 2022	NAHEP-CAAST-DFSRDA, VNMKV, Parbhani	NAHEP-CAAST-CEDFSEP by Robots, Drones and AGVs (DFSRDA) and

Faculty and Staff Development

					COA, Parbhani, VNMKV, Parbhani
		3. International conference on Reimagining Rainfed Agro-ecosystems: Challenges & Opportunities	22-24, Dec., 2022	Hyderabad, Telangana, India	ICAR-Central Research Institute for Dryland Agriculture Hyderabad,
2	Dr. Pawar, S.U.	Conservation Agriculture in India : Myths, Realities and Way Forward on organized	17 Feb., 2022	Online	Dept. of Agronomy, Rajasthan College of Agriculture, Maharana Pratap University of Agriculture and Technology, Udaipur,
3	Dr. Narkhede, W.N.	Fifth International Agronomy Congress on Agri Innovation to combat food and nutrition challenges, organized by Indian Society of Agronomy at PJTSAU, Hyderabad from.	23-27, Nov. 2021	PJTSAU, Hyderabad	Indian Society of Agronomy
4	Asewar, B. V.				
5	Dr. Mirza, I.A.B				
6	Dr. Jagtap, M. P.				
7	Dr. Awasarmal, V.B.				
8	Dr. Pawar, S.U.				
2022 - 2023					
1	Dr. Jagtap, M. P.	training on Managing Agricultural Soils As Carbon Sinks Through Adaptation of Negative Emission Strategies (MASCS)	23-25 Nov. 2022	ICRISAT, Hyderabad	ICRISAT, Hyderabad

Department of Genetics and Plant Breeding, Plant Physiology, Seed Science and Technology

S N	Name of the Participant	Title of National/ International Seminars/ Symposia/ Workshops/ Training/ Consultancy visits/ Special	Duration with date	Place	Organizing Agency
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Faculty and Staff Development

		assignments etc.			
2018-2023					
1	Kalpande, H.V.	1. Hands on Training Programme on Mutation Breeding for Crop Improvement.	26 Nov.- 01 Dec. 2018	RARS, Karjat	Bhabha Atomic Research Centre, (BARC), Mumbai
		2. National Training Programme on Entrepreneurship Development & Management.	22 Jan. - 02 Feb. 2018	DST, Government of India	Entrepreneurship Development Institute of India
		3. One Week Online training Certificate of Personality Development, Effective Communication Skills and Stress Management.	14-18, April 2020	Rahuri	CAAST and CSAWM, NAHEP, MPKV, Rahuri
		4. National webinar on Intellectual Property Rights in Agriculture Sector	17 July 2020	Bikaner	NAHEP, Swami Keshwanand Agril. Univeristy, Bikaner
		5. One week National Online training on COVID 19 pandemic: Impact & Strategies for Agriculture Education	9-13 June 2020	Parbhani	NAHEP, VNMKV, Parbhani
		6. Psychology of Learning	1-15 May, 2020	Online	ICAR - MOOC
		7. Training on Recent Physio-Molecular Digital Tools in Abiotic Stress Management for Crop Modeling	29-3 July, 2020	Online	NAHEP, VNMKV, Parbhani
		8. Training on Recent Advances & Instrumentation in Agricultural Meteorology	26 May - 02 June 2020	Online	NAHEP, VNMKV, Parbhani
		9. Eight Week Online course on Integrated Pest Management	30 June 2020	agMOOCs	BHU, Varanasi, Commonwealth Of learning, Canada and IIT, Kanpur
		10. Eight Week Online course on	30 June 2020	agMOOCs	BHU, Varanasi,

Faculty and Staff Development

		Fundamentals of Agricultural Extension			Commonwealth Of learning, Canada and IIT, Kanpur
		11.Six Week Online course on Conservation Agriculture based Sustainable Intensification	31 Mar. 2020	agMOOCs	Commonwealth Of learning, Canada and IIT, Kanpur
		12.National Seminar on Intellectual Property Rights in Legal Framework	18 Jan. 2020	Parbhani	IQAC, Shri Shivaji Law College, Parbhani
		13.MOOC Five Week training on Designing E-Learning Content	1-31 July 2020	Hyderabad	ICAR-NAARM
		14.International Workshop on Digital Farming Practices by Agri-BOTS, Agri-drones & Agri-AGVs	13-15 Mar., 2020	Parbhani	NAHEP, VNMKV, Parbhani
2018-2023					
2	Pawar, G.S.	1.Advance digital technology in agricultural Automation	14 - 16 Mar, 2022	NAHEP, VNMKV, Parbhani	NAHEP, VNMKV, Parbhani
		2.Digital farming practices by Agri-Bots, Agri Drones and Agri AGVs	13 - 15 Mar. 2020	NAHEP, VNMKV, Parbhani	NAHEP, VNMKV, Parbhani
		3.Translation genomic information can be made relevant to breeders	27 June 2022	NAHEP, VNMKV, Parbhani	NAHEP, VNMKV, Parbhani
		4.The memory of trees molecular insights in priming and increased tolerance	28 April 2022	NAHEP, VNMKV, Parbhani	NAHEP, VNMKV, Parbhani
		5.Grass pea: Re-domesticating a hardy orphan legume for the 21st century	29 Jan 2022	NAHEP, VNMKV, Parbhani	NAHEP, VNMKV, Parbhani
		6.Translation genomic information can be made relevant to breeders	27 June 2022	NAHEP, VNMKV, Parbhani	NAHEP, VNMKV, Parbhani
		7.Advanced digital technology in agriculture automation	14-16 Mar 2022	NAHEP, VNMKV, Parbhani	NAHEP, VNMKV, Parbhani
		8.Sustainable strategies for enhancing productivity and profit ability in dryland	29 June 2021	NAHEP, VNMKV, Parbhani	NAHEP, VNMKV, Parbhani

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		agriculture				
		9.Capacity building workshop for writing high impact research articles and winning research proposals	30 July, 2021	NAHEP, VNMKV, Parbhani	NAHEP, VNMKV, Parbhani	
		10.Applications of omics in climate smart agriculture	30 Apr. - 02 May, 2020	NAHEP, VNMKV, Parbhani	NAHEP, VNMKV, Parbhani	
		11.Personality development effective communication skills and stress management	14-18 April 2020	NAHEP, VNMKV, Parbhani	NAHEP, VNMKV, Parbhani	
		12.Phenomics in plant physiology: the key to close the genotype phenotype knowledge gap	11 June 2022	NAHEP, VNMKV, Parbhani	NAHEP, VNMKV, Parbhani	
		13.Participation in training on the topic organic farming	15 Feb - Mar 31 2022	NAHEP, VNMKV, Parbhani	NAHEP, VNMKV, Parbhani	
		14.Faculty development program on bio process technology	21Mar.- 8Apr. 2022	NAHEP, VNMKV, Parbhani	NAHEP, VNMKV, Parbhani	
		15.Re-imagining rainfed agro ecosystems challenges and opportunities Topic: mapping QTLs for various yield component and stress indices in recombinant inbred lines population of Wheat.	22-24 Dec. 2022	NAHEP, VNMKV, Parbhani	NAHEP, VNMKV, Parbhani	
		16.Participation in environment day quiz	5 June 2022			
		17.Introduction to genomic technology	July 2022	Johns Hopkins University	Johns Hopkins University	
2018-19						
1	Dr. Dethe, A.M.	1. International Conference on Recent Advances in Food, Herbal and Nanotechnology	12-13, Jan. 2018	COCSIT, Latur (MS)	UGC and COCSIT, Latur (MS)	Poster/ Conference-Abstract

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		2. Two-days Workshop on: Tools and Techniques in Bioinformatics with Industrial Approach	4-5, July 2018	Bioinformatics Infrastructure Facility, VDCOAB, Latur	DBT-BIF, New Delhi & BIF Centre, VDCOAB, Latur	Spl. Assignment: DBT-BIF, New Delhi (GoI) Funded Project
		3. Acted as Nodal Officer of VDCOAB, Latur towards Coordinated mass media programme on: All India Survey on Higher Education (AISHE)	Acad. Yr, 2018-19	VDCOAB, Latur (VNMKV)	Ministry of Education	Spl. Assignment: Ministry of Education, New Delhi (GoI) Prog.
		4. Associated in compilation and presentation of Progress Report of DBT supported M.Sc. Agriculture Biotechnology Teaching Programme in 3 rd Task force Meeting held at DBT, New Delhi Dec. 12-13, 2018	Acad. Yr, 2018-19	VDCOAB, Latur (VNMKV)	--	Spl. Assignment: DBT Email dtd. 26 Nov, 2018 & No. VDCOABL/PB/311/18; dtd. 4.12.2018
2019-20						
1	Dethe, A.M.,	1. XIX International Plant Protection Congress Poster paper presented entitled Association of molecular heterozygosity with Sigatoka resistance in banana (<i>Musa spp.</i>) genotypes	10 th to 14 th November, 2019	ICRISAT, Hyderabad, Telangana	IPPC and ICRISAT	Poster-paper (Paper No. 672)
		2. Organized, imparted DBT sponsored National Training Workshop on : Exploring the Tools and Techniques in Molecular Biology and Bioinformatics for Crop Improvement	March 2-8, 2020 (7 days)	VDCOAB, Latur (VNMKV)	DBT-BIF, New Delhi & BIF Centre, VDCOAB, Latur	Spl. Assignment: as a Project & Training Coordinator / Convenor &

Faculty and Staff Development

				(VNMKV).	Author	
		3. Acted as Nodal Officer of VDCOAB, Latur towards Coordinated mass media programme on: All India Survey on Higher Education (AISHE)	Acad. Yr, 2019-20	VDCOAB, Latur (VNMKV)	Ministry of Education, (GoI) New Delhi	Spl. Assignment: Ministry of Edu., New Delhi (GoI) Prog.
		4. Setting-up & Modernization of Bioinformatics Lab in VDCOAB, Latur Maintenance & Repair of Computers, Software upgradation, Antivirus, LAN extension, Wi-Fi installation, Projector installation, Electrification, Furniture set-up, Internet Leased line Connectivity etc.	Fin. Yr, 2019-20	VDCOAB, Latur (VNMKV)	under the regime of: i) DBT-BIF-BTISNet Grants, ii) DBT-PG_ Maintenance Grants, iii) ICAR Developmental Grants.	Spl. Assignment: Rs. 1.0 to 5.0 Lakh utilized
		5. Project Formulation/ Submission: M.Sc. Agricultural Biotechnology Teaching Programme under DBT PG Teaching Programme (Proposed grants: Rs. 370 Lakh)	Fin. Yr, 2019-20	VDCOAB, Latur (VNMKV)	Proposal submitted and Presented in the Online	Spl. Assignment: (Ref: DBT Email) Associated PG Co-

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						HRD Task Force Meet held on 19.03.2020	cordinator
		6. Project Formulation/ Submission: Establishment of Modern Biotechnology Laboratory for Sustainable Agricultural Development (Proposed grants; Rs 705.56 Lakh)	Fin. Yr, 2019-20 onwards	VDCOAB, Latur (VNMKV)		Proposal submitted to the Funding agency: Govt.of Maharashtra	Spl. Assignment: (Ref: VNMKV No.DOR/DDR/ C/4871/2019; dtd., 0.09.2019)
		6. Project Formulation/ Submission: Biotechnology-based Programme for Societal Development (Proposed grants; Rs 57.20 Lakh)	Fin. Yr, 2019-20 onwards	VDCOAB, Latur (VNMKV)		Proposal submitted and presented in the Task Force Meet held at DBT, New Delhi	Spl. Assignment
2020-21							
1	Dethe, A.M.	1. National Symposium on Plant Health Management Poster paper presented on A three-way molecular marker system based genetic diversity studies in sunflower (<i>Helianthus annuus</i> L.) germplasm in relation to the downey Mildew disease	2-4 Nove., 2020	CoA, Navsari Agricultural University, Gujrat	CoA, Navsari Agricultural University, Gujrat		Poster-Paper

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		2. International Conference on Advances and Future Outlook in Biotechnology and Crop Improvement for Sustainable Productivity Paper presented on The establishment of an efficient callus induction system for Anther and Gynoecium culture in <i>in vitro</i> plant tissue culture and micro-propagation	24-27 Nov., 2020.	Dept. of Biotechnology and Crop Improvement, College of Horticulture, Bengaluru	Dept. of Biotechnology and Crop Improvement, College of Horticulture, Bengaluru	Oral-Paper
2020-21						
1	Dr. Zate, D.K.	Massive on line course (MOOC) on Psychology of Learning	1-15 May 2020	NAARM Hyderabad	ICAR NAARM Hyderabad	
2021-22						
		1.International webinar on Capacity Building on Seed Quality	27-29 Sept.2021	ICAR- Indian Institute of Seed Science , Mau	ICAR- Indian Institute of seed science , Mau	
		2.National Symposium on Achieving sustainability in crop production through alimentation and plant protection	17-18 Nov 2021	College of Agriculture Latur, VNMKV Parbhani	Department of Plant Pathology , COA, Latur & Parbhani. VNMKV Parbhani & Indian Phytopathological society, New Delhi	
2022-23						
1	Dr. Zate, D.K.	1.Statistical Techniques for Agriculturist a six week	31 may 2022 six week Online	IIT Kanpur	AgMOOCs IIT Kanpur	

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		Online agMOOC Course	course			
		2.Effective E-Content Development for Education in Agriculture	21-22 Nove. 2022	NAHEP and COA, Parbhani	NAHEP and COA Parbhani	
2018-21						
1	Dr. Dalvi, D.G.	1.Decentralised seed systems for climate resilient rainfed agriculture	Two days 7-8 Mar. 2019	MANAGE, Hyderabad	National workshop, MANAGE, Hyderabad	
		2.Imperative of seed production, processing and testing, quality assurance paradigm	22-31 Jan.2019	MAU (UP)	ICAR-IISS, MAU (UP)	
		1.Perspectives of present and future seed research under climate smart agriculture	17-20 Aug.2020	MPKV, Rahuri	CSAWM, NAHEP and ICAR	
		2.Emerging urban farming technologies	07-15 Sept. 2020	MPKV, Rahuri	CSAWM, NAHEP and ICAR	
2018-19						
1	Dr. More, A.W.	1. 1 st National genetics congress (2018) NGC on Genetics For Sustainable Food, Health And Nutrition Security at.	14-16 Dec, 2018	IARI, Pusa, New Delhi	Indian Society of Genetics and Plant Breeding, New Delhi	---
		2.International conference on Advances in Agriculture and Allied Science Technologies for Sustainable Development	10-11, 2018	Osmania University, Hyderabad, Telangana	Genesis Urban & Rural Development Society Hyderabad, Telangana	
2020-21						

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1	Dr. More, A.W.	1. Online refresher course for Staff of AICRP on Sorghum and Small millets Recent Advances In Millets Research.	10 –31 Dec, 2020	IIMR, Hyderabad.	ICAR New Delhi & Society for Millets Research,	
		2. Dev. of entrepreneurial skills in Tissue culture and Molecular techniques	2 Sept.- 7 Oct. 2020	Online	Plant Biotechnology Centre CoA, Dr. BSKKV., Dapoli	
		1. International Web Conference <i>Perspective on Agricultural and Applied Sciences in COVID-19 Scenario (PAAS-2020)</i> .	4-6 Oct., 2020	Online	Agricultural & Environmental Technology Development Society (AETDS)	
		2. National Webinar on Under-utilized Crops for Augmenting Farmers Income in Abiotic Stress Region	10 Aug., 2020	Online	ICAR-NIASM and Society for Agricultural Research on Abiotic Stress (SARAS) Baramati Pune	
		3. Webinar on How to prepare for Ph.D./ PDF positions in the US with Assistantship /Fellowship	2 Aug., 2020	Online	METHODSIMPLIFY.COM	
		4. National webinar on Biotechnology for crop improvement	29, 30 July 2020	Online	CoAB, Madadgaon, Ahmednagar, NAHEP of ICAR New Delhi, on CAAST for Climate Smart Agriculture and Water Management, MPKV., Rahuri.	
		5. International training Programme on Water	February 08 to 12, 2021	Online		

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		Resources Modelling				
2021-22						
1	Dr. More, A.W.	1. Online training programme on Crop improvement through technological intervention of Biotechnology, microbiology and Nanotechnology	16 Sept. 06 Oct. 2021	Online	Plant Biotechnology Centre College of Agriculture, Dr. BSKKV., Dapoli	
		2. Global Initiatives in Agriculture, Forestry and Applied Sciences	17-18 Octo., 2021	Online	Agriculture & Environmental Technology Dev. Society Uttarakhand	
		3. 5 International Conference on Advances in Agriculture, Environmental and Biosciences for Sustainable Development	5-7 Aug., 2021		College of Horti. & Forestry, CAU, Pasighat, Arunachal Pradesh, NABARD & AEDS, UP,	
		4. The Future of Food & Agriculture: Trends & Challenges (TFFA) VAKSANA-2021	20-21 Sept., 2021		Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore Shri Vaishnav Institute of Agriculture	
2022-23						
1	Dr. More, A.W.	1. Effective e-content Development for Education in Agriculture	21-22 Nov. 2022	NAHEP, VNMKV., Parbhani	NAHEP-CAAST-DFSRDA and College of Agriculture, Parbhani	
		2. Development, Evaluation and Biosafety Assessment of Genome Edited Crops: Hands-on Training	20 Jan.-9 Feb. 2023	Indian Institute of Rice Research (IIRR) Hyderabad	ICAR, New Delhi	
2018-23						

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1	Dr. Deshmukh, J.D.	1.International Conference on Advances in Agriculture and Allied Technologies for sustainable Development	10-11 Feb. 2018	Hyderabad	Prof. G. Ram Reddy Centre for Distance Edu. (PGRRCDE), Osmania University, Hyderabad	
		2.Participated in symposium Frontiers in Sustainable Agriculture	26-28 Apr. 2018	Mumbai	DAE-BRNS Life Sciences Symposium BARC, Trombay Mumbai	
		3.NSS Programme Officer Workshop-2019	23-24 Feb. 2019	Pune	NSS, Dept. of Higher Technical Education and NSS, Savitribai Phule University, Pune	
		1.Tarunyabhan-Jivanshikshan	20-22 June 2019	Parbhani	College of Agriculture, VNMKV, Parbhani	
		2.Participated in Awareness Workshop on Digital Field Book	11 Oct., 2019	Parbhani	ISGPB-Parbhani Chapter, VNMKV, Parbhani	
		3.Certificate of Appreciation for commendable and outstanding work	21-22 Dec. 2019	Parbhani	22 National Conference of Maharashtra Society of Dept. of Agril Econ., VNMKV, Parbhani	
		4.NAARM Massive open Online course (MOOC) on Teaching Excellence	1-30 Nov.2019	NAARM Hyderabad	NAARM, ICAR, Rajendra Nagar, Hyderabad	
		1.One Week Online training Certificate of Personality Development, Effective Communication Skills and Stress Management	14-18 April 2020	Rahuri	CAAST and CSAWM, NAHEP, MPKV, Rahuri	
		2.Certificate of Appreciation for National E Quiz on Mendelian Genetics 198 th	24 July 2020	Parbhani	Organized by Department of Animal Genetics and Breeding, COVAS,	

Faculty and Staff Development

	Birth Anniversary of Gregor Johann Mendel			Parbhani	
	3.National webinar on Intellectual Property Rights in Agriculture Sector	17 July 2020	Bikaner	NAHEP, Swami Keshwanand Agril. Univeristy, Bikaner	
	4.One week National Online training on COVID 19 pandemic: Impact & Strategies for Agriculture Education	9-13 June 2020	Parbhani	NAHEP, VNMKV, Parbhani	
	5.Massive open Online course (MOOC) on Psychology of Learning	1-15 May 2020	Online	ICAR Massive open Online course (MOOC) held 1-15, May, 2020	
	6.One week Online training on Recent Physio-Molecular Digital Tools in Abiotic Stress Management for Crop Modeling	29-3 July 2020	Parbhani	NAHEP, VNMKV, Parbhani	
	7.One Week Online Training on Recent Advances & Instrumentation in Agricultural Meteorology	26 May- 02 June 2020	Parbhani	NAHEP, VNMKV, Parbhani	
	8. Eight Week Online course on Integrated Pest Management	30 June 2020	agMOOCs	BHU, Varanasi, Commonwealth Of learning, Canada and IIT, Kanpur	
	9.Eight Week Online course on Fundamentals of Agricultural Extension	30 June 2020	agMOOCs	BHU, Varanasi, Commonwealth Of learning, Canada and IIT,	

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				Kanpur	
	10.Six Week Online course on Conservation Agriculture based Sustainable Intensification	31 Mar. 2020	agMOOCs	Commonwealth Of learning, Canada and IIT, Kanpur	
	11.Translating Physiology into Techniques for Abiotic Stress Tolerance	09 Oct., 2020	Baramati	ICAR-National Institute of Abiotic Stress Mgt., Baramati, Society for Agricultural Research on Abiotic Stress (SARAS) & Indian Society for Plant Physiology (ISPP), New Delhi on October 09, 2020	
	12.National Seminar on Intellectual Property Rights in Legal Framework	18 Jan. 2020	Parbhani	IQAC, Shri Shivaji Law College, Parbhani	
	13.MOOC Five Week training on Designing E-Learning Content	1-31 July 2020	Hyderabad	ICAR-NAARM	
	14.International Workshop on Digital Farming Practices by Agri-BOTS, Agri-drones & Agri-AGVs	13-15 Mar., 2020	Parbhani	NAHEP, VNMKV, Parbhani	
	15.Training on COVID-19 Training for NCC Cadets	14 Apr. 2020	Online		
	16.One Week Online training programme on Recent Trends in Academic Writing	20-24 May 2020	Parbhani	University Library & Dept. of Extn Education, VNMKV, Parbhani	
	17.International webinar on Intellectual Property Rights,	6 June 2020	Navi Mumbai	KLE Societys Science & Commerce College	

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	An Overview: Myth & Realities			Kalamboli, Navi Mumbai, India	
	18.National webinar on Medicinal and Aromatic Plants for Boosting Immunity in the era of COVID-19	29 May, 2020	Gorakhpur	Department of Botany, DDU Gorakhpur University, Gorakhpur	
	19.Participated in 2 nd MSA University Sport Meet 2020 BADMINTON (MEN)	22-24 Jan.2020	Parbhani	2 nd MSA University Sport Meet 2020 organized by VNMKV, Parbhani	
	20.Participated in 2 nd MSA University Sport Meet 2020 VOLLEY BALL (MEN)	22-24 Jan. 2020	Parbhani	2 nd MSA University Sport Meet 2020 organized by VNMKV, Parbhani	
	1.NAARM Massive open Online course Theoretical Foundation of Educational Technology	1-30 June, 2021	NAARM Hyderabad	NAARM ICAR held 1-30 June, 2021	
	2.National Symposium on Achieving Sustainability in Crop Production Through Alimentation and Plant Protection	17-18 Nov., 2021	Parbhani	National Symposium (IPS-WZ, New Delhi) Dept. of Plant Pathology Latur and Parbhani	
	1.Participated in Combined Annual Training Camp of National Cadet Corps	12 -21 June 2022	Nanded	SRTMU, Vishnupuri, Nanded	
	2.Participated as a player in Volleyball and secure First position	1 –3 Mar., 2022	Dapoli	3 rd Maharashtra State Inter Agril. Uni. Employees Sport meet -2021-22 held at BSKKV, Dapoli	
	3.Participated in Online CORONA AWARENESS PROGRAM		Online	Digambarrao Bindu Arts, Commerce & Science College Bhokar	

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		4.COVID-19 Awareness Programme		Online	Mahatma Jyotiba Fule Mahavidyalaya, Amaravati	
2018-19						
1	Dr. Wankhade, M.P.	1.International conference on advances in agriculture and allied science technologies for sustainable development	10-11 Feb 2018	Osmania University, Hyderabad Telangana, India	Genesis Urban And Rural Developmental Society Hyderabad Telangana, India	Participated and a full length research paper Study of heterosis in cowpea for yield and yield contributing characters (<i>Vigna unguiculata</i> L.) during ICAAASDSD-2018
		1. Training program of following software. Terr Set: GIS and Digital Image Processing Software WMS 10.1: The All-in-one Watershed Modeling Solution Surfer 15: Simple & complex spatial data to contour & 3D maps Global Mapper 19: Spatial GIS data management tools	4-16 June, 2018	College of Agricultural Engineering and Technology VNMKV, Parbhani (MH)	Aditi infotech , Nagpur and College of Agricultural Engineering and Technology VNMKV, Parbhani (MH)	Certificate of Participation
		2.ICAR short course on Innovative Application of	1-10 Oct. 2018	Dr. PDKV, Akola	Department of Unconventional Energy Sources and Electrical	Certificate of

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		Renewable Energy Technologies for Rural Sector			Engineering, Dr. PDKV, Akola	Participation
		3.National Training Programme on Advances in Production Technology and Post Harvest Management in Fruit Crops	14 Nov- 4 Dec. 2018	MPKV, Rahuri, Dist. Ahmednagr (M. S.)	Centre of Advanced Faculty Training in Horticulture (Fruits) Dept. of Horticulture, MPKV, Rahuri, Dist. Ahmednagr (M. S.)	Certificate of Participation
2019-20						
1	Dr. Wankhade, M.P.	1. Awareness workshop on digital field book	11 Oct. 2019	VNMKV, Parbhani	ISGPB-Parbhani Chapter, VNMKV, Parbhani in collaboration with IIMR, Hyderabad	Certificate of Participation
		2. Short course on Doubling the Farmers Income Through Integrated Farming Systems for Livelihood Security	18-27 Nov., 2019	VNMKV, Parbhani	AICRP for Dryland Agriculture, VNMKV, Parbhani	Certificate of Participation
		3. National conference on Recent Trends and New Frontiers in Biotechnology, Agriculture, Science and Environment NCRTNFBASE-2020	22-23 Feb, 2020	Department of Botany, St. Johns College, Agra	Academy for environment and life science, Agra Department of Botany, St. Johns College, Agra	Certificate of Participation
2020-21						

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1	Dr. Wankhade, M.P.	1. One week Online training programme on Personality development , effective communication skills and stress management	14-18 Apr.,2020	Online	Centre for Advanced Agricultural Science and Technology (CAAST) for climate smart agriculture and water management (CSAWM), MPKV, Rahuri.	Certificate of Participation
		2. One week Online training programme on 3. Recent Trends in Academic Writing	20-24 May 2020	Online	University Library and Department of Extension Education ,VNMKV Parbhani.	Certificate of Participation
		4. Faculty development programme on New educational environment through informatics technology	15-21 July2020	Online	College of Agriculture Dr. PDKV, Akola	Certificate of Participation
		5. National webinar on Intellectual Property Rights in Agriculture Sector	17 July 2020	Online	Swami Keshwanand Rajasthan Agricultureal University, Bikaner(Raj)	Certificate of Participation
		6. National Webinar on Under-utilized Crops for Augmenting Farmers Income in Abiotic Stress Region	10 Aug. 2020	Online	ICAR-NIASM (National Institute of Abiotic Stress management) And SARAS (Society for Agricultural Research on Abiotic Stress) Baramati, Pune, MS	Certificate of Participation
		7. National Webinar on Advances in Genomics	12 Aug. 2020	Online	Bihar Agricultural University, Sabour,	Certificate of Participation

Faculty and Staff Development

	Tools for Rice Improvement (AGTRI-2020)			Bhagalpur, Bihar	
	8. Webinar on Legal Framework for protection of plant varieties in India: Challenges and Opportunities	26 Aug. 2020	Online	ICRISAT and EBTC	Certificate of Participation
	9. International Webinar on Women in Science and Their Role in Sculpting Modern Agriculture	26 Aug. 2020	Online	Bihar Agricultural University, Sabour, Bhagalpur, Bihar	Certificate of Participation
	10. International Web Conference on Biodiversity in Vegetable Crop for Healthier Life and Livelihood	27-28 Aug. 2020	Online	Bihar Agricultural University, Sabour, Bhagalpur, Bihar	Certificate of Participation
	11. National Level Online Quiz On Agril. Botany	29 Aug., 2020	Online	Section of Agricultural Botany, Saikrupa CoA, Ghargaon, Ahmednagar	Certificate of Participation
	12. International webinar on Integrating genomics for accelerating the rate of genetic gain for chickpea improvement	1 Sept, 2020	Online	Bioingene.com	Certificate of Participation
	13. 30 days Online training programme Development of entrepreneurial skills in Tissue culture and molecular techniques	2 Sept. – 7 Oct. 2020	Online	Plant Biotechnology Centre, College of Agriculture, Dr. BSKKV, Dapoli(MH	Certificate of Participation

Faculty and Staff Development

		14. National E -Workshop ON Current scenario of post GRADUATION Research in Agriculture Sector	9-11 Sept., 2020	Online	Swami Keshwanand Rajasthan Agricultureal University, Bikaner(Raj)	Certificate of Participation
		15. One week National e-Training on Wildlife Conservation & Management	2-6 Oct. 2020	Online	College of Forestry, Dr. PDKV, Akola	Certificate of Participation
2021-22						
1	Dr. Wankhade, M.P.	1. Training Programme Crop Improvement through Technological intervention of Biotechnology, Microbiology and Nanotechnology	16 Sept.- 6 Oct. 2021	Online	Plant Biotechnology Centre, College of Agriculture, Dr. BSKKV, Dapoli(MH)	Certificate of Participation
		2. National Symposium (IPS-WZ, New Delhi) Achieving Sustainability in Crop Production Through Alimentation and Plant Protection	17-18 Nov. 2021	Dept. of Plant Pathology, College of Agriculture, Latur	Dept. of Plant Pathology, College of Agriculture, Latur & Parbhani VNMKV, Parbhani & Indian Phytopathological Society, New Delhi	Presented oral and poster paper
		3. Third International Conference (Hybrid Mode) on Food, Agriculture and Innovations	24-26 Dec. 2021	Holiday Home, Ranchi Jharkhand	3 rd ICFAI 2021	Certificate of Participation
		4. National e- conference on Agro-Entrepreneurship : A way to Boost startup	23-24 Feb. 2022	Online	PDKV Research and incubation foundation, Dr. PDKV, Akola	Certificate of Participation

Faculty and Staff Development

Ecosystem in Agriculture						
2022-23						
1	Dr. Wankhade, M.P.	1.International multidisciplinary E-Seminar on Trends In Research	30 June, 2022	Online	Internal Quality Assurance Cell (IQAC) And Research Committee of Rajarshi Shahu Arts and Commerce College, Rukadi, Rotary Club of Ichalkaranji Central And Jyotikiran Publication,Pune	Certificate of Participation
		2.Six-week Online Course on Statistical techniques for Agriculturists	16 July, 2022	agMOOCs,	IIT-Kanpur, Commonwealth of Learning, Canada	Certificate of Participation
		3.International Seminar On Transforming Youth Skills For The Future 2022	22 July, 2022	International Youth Hostel Conference Hall Mysore, Karnataka,	Center For Professional Advancement ,India on the Eve of World Youth Skill Day 2022	Certificate of Participation
		4.National webinar on Quit India movement to food Secured India	8 Aug. 2022	Online	Maharana Pratap University of Agriculture and Technology, Udaipur	Certificate of Participation
		5.One month National Level Workshop On SPSS-Statistical Package For Social Sciences	8 Aug.-7 Sept., 2022	Online	ESSGEE DIGISKILL Learning Centre	Certificate of Participation
		6.International Conference on Adopting Green Initiatives for sustainability (ICAGIS-2022)	24-25 Aug., 2022	Priyadarshini College of Engineering (PCE), Nagpur	Priyadarshini College of Engineering (PCE), Nagpur in collaboration with National	Certificate of Participation

Faculty and Staff Development

					Environmental Engineering Research Institute Nagpur	
		7.National Intellectual Property Awareness Mission	29 Aug, 2022	Online Mode	Intellectual Property Office, India	Certificate of Participation
		8.National Symposium on new Educational Policy 2022	5 Sept, 2022	IMRF Institute of Higher Education & Research Vijayawada, Andhra Pradesh, India	IMRF Institute of Higher Education And Research Vijayawada, Andhra Pradesh, India	Certificate of Participation
		9.Twenty Days National Level Workshop On Online Teaching Tools	10 -30 Dec, 2022	Online Mode	ESSGEE DIGISKILL Learning Centre	Certificate of Participation
2018-19						
1	Dr. Gaikwad, A.R.	1. National training course of three week duration on Contemporary Approaches to Plant Genetic Resources	27.11.2018 to 17.12.2018	Pusa Campus, New Delhi	ICAR- National Bureau of Plant Genetic Resources	Three week national training
2019-21						
1	Dr. Gaikwad, A.R.	1. Training Programe: Importance of Intellectual Property Rights in Agril. Research & Education	03.08.2019	VNMKV, Parbhani	Director of Research, VNMKV, Parbhani	
		2.National Symposium: Cotton Production Technologies in Next Decade: Problems and Perspecitives	Jan. 22-24, 2020	OAUT, Bhubaneswar	Cotton Research and Development Association, CCS Haryana Agricultural University, Hisar and OUAT, Bhubaneswar	

Faculty and Staff Development

	Training course : Employment Generation among rural youth through agripreneurship	14 June, 2020 Six week course	BAU, Sabour	IIT, Kanpur	
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Department of Animal Science and Dairy Science

2018 – 2019					
S. No	Name of participant	Title of National/International seminars/symposia/workshop/training/consultancy visits/special assignment etc.	Duration with date	Place	Organizing Agency
1	Dr. Londhe, G.K.	1. Brain Storming Session on Conservation and Improvement of Indigenous Cattle and Pandharpuri Buffalo	13 Nov.2019	Rahuri	Director of Research MPKV, Rahuri.
		2. Five days refresher training programme Inculcating Farm Business Management Techniques among the Livestock Farmers	2-6 Dec. 2019	Hyderabad	MANAGE
		3. 47 th Dairy Industry Conference on Innovative Approaches for Enhancing Dairy Farmers Income	7-9 Feb. 2019	Patna	Indian Dairy Association New Delhi & Bihar State Chapter
2	Dr. Kamble, N.S.	Rapid boomers and micro techniques for monition contaminates & adulterants in dairy food.	4-25 Jan.2019	Karnal	NDRI Karnal
3	Dr.Andhare B.C.	1.Sustainable Agriculture for Food Security and Better Environment	24 Mar. 2018	BHU, Varanasi UP	BHU, Varanasi UP
		2.Role of Oils and Fats in Human Diet and Industry	16 Oct. 2018	BAMU Chattrapati Sambhaji Nagar	BAMU Chattrapati Sambhaji Nagar
		3.Functional foods: Concept, Technology and Health Benefits from Common Wealth of learning	19 Dec. 2018.	agMOOCs	agMOOCs
		4.workshop on personality development	20-22 Feb.	College of	ICAR,New Delhi and

Faculty and Staff Development

		programme for faculty on Soft skills for Personality Development	2019	Agriculture, Badnapur,	VNMKV, Parbhani
2019 – 2020					
1	Dr. Londhe, G.K.	48 th Dairy Industry Conference Dairying for Health and Wealth	20-22 Feb-2020	Jaipur	Indian Dairy Association New Delhi & Rajasthan State Chapter
2	Dr. Narwade, S.G.	48 th Dairy Industry Conference Dairying for Health and Wealth	20-22 Feb-2020	Jaipur	Indian Dairy Association New Delhi Rajasthan State Chapter
3	Dr. Patil, R. A.	48 th Dairy Industry Conference Dairying for Health and Wealth	20-22 Feb-2020	Jaipur	Indian Dairy Association New Delhi Rajasthan State Chapter
4	Dr. Kamble, N.S.	1. Research Management in rained Dryland	6 May, 2019 (Five-week)	Online	NARM.
		2. E-Extension	3 Dec, 2019 (Six week)		NAPM
		3. Diagnosis of crop and stored grain pesto and their management.	31 Mar., 2019 (Six week)		NARM
5	Dr. Andhare B.C.	1. Five weeks Online course Resource Management in Rainfed Drylands from Common Wealth of learning	6 th May 2019 (Five weeks)	agMOOCs	agMOOCs
		2. Eight weeks Online course Fundamental of Agricultural Extension from Common Wealth of learning.	28 May 2019 (Eight weeks)	agMOOCs	agMOOCs
		3. National seminar on Contemporary trends in Dairy and Food Processing	9 Nov. 2019	College of Dairy Technology, Udgir	College of Dairy Technology, Udgir MH

Faculty and Staff Development

				MH	
		4.Short course on Doubling the Farmers Income Through Integrated Farming system for Livelihood Security	18-27, Nov. 2019	AICRP for Dry land Agriculture, VNMKV, Parbhani.	AICRP for Dry land Agriculture, VNMKV, Parbhani. sponsored by ICAR, New Delhi
		5.Online course e-Extension from Common Wealth of learning	03 Dec. 2019. (six weeks)	(agMOOCs)	agMOOCs)
2020 – 2021					
1	Dr. Narwade, S.G.	Management of Infertility in Cattle	15 Oct., 2021 (Six-week)	Hybrid Mode	TANUVAS, Chennai
2	Dr. Patil, R. A.	1.(MOOC) on Theoretical Foundations of Educational Technology	1 to 30, June, 2021	Online	ICAR-National Academy of Agricultural Research Management
		2.Five days National Training Programme on Sustainable Goat Production Changing Climate	July, 13 to 17, 2021	Online	Department of Livestock Production and Management, Post Graduate Institute of Veterinary and Animal Sciences, Akola,
		3.One week National Training program on Statistical Tools in Research and Data Analysis	9 to 14 Aug.,2021	Online	Department of Animal Genetics and Breeding, College of Veterinary & Animal Sciences, Parbhani, Maharashtra, India.
		4.21 Days National Training Course on Advances in Veterinary Research for Sustainable Development of Livestock Sector	1 to 21 Sept., 2021	Hybrid Mode	ICAR-Indian Veterinary Research Institute, Regional Station, Palampur, H.P.

Faculty and Staff Development

		5.Management of Infertility in Cattle	Online course Completed 15 Octo., 2021 (Six-week)	Hybrid Mode	TANUVAS, Chennai
3	Dr. Kamble, N.S.	Digital Teaching techniques	1-31, Dec,2021	Online	ICAR
4	Dr.Andhare B.C.	1.National webinar on Use of e-content in teaching literature	29 th July-2020	Department of English, Anandrao Dhonde alias Babji Mahavidyalaya kada Beed Maharashtra.	Department of English, Anandrao Dhonde alias Babji Mahavidyalaya kada Beed Maharashtra.
		2.webinar on Challenges for food and dairy industry in the aftermath of covid-19 pandemic 25 th July-2020	25 th July-2020	College of Agriculture, Ashti Beed Maharashtra.	College of Agriculture, Ashti Beed Maharashtra.
		3.webinar on Stress Management and performance enhancement	29 th Aug.2020	O.P.Jindal Global University, Sonipat	O.P.Jindal Global University, Sonipat.
		4.Webinar on Role of teachers in transforming society insights and policy implications	05 th Sept.2020	O.P.JGU, Sonipat.	O.P.Jindal Global University, Sonipat.
2021 – 2022					
1	Dr. Londhe, G.K.	International Conference on Remaining Agro-ecosystems: Challenges and Opportunities	22-24 Dec. 2022	Hyderabad	Indian Society of Dryland Agriculture and ICAR-CRIDA
2	Dr. Patil, R. A.	Management of Metabolic and Production Disorders in Cattle	26 July,2022 (Six-week)	Hybrid Mode	TANUVAS, Chennai

Faculty and Staff Development

3	Dr.Andhare B.C.	1.National seminar on Advances in sustainable Management of Natural Resources for Food and Nutritional Security during August	26-27,2021	Online	NAHEP
		2.Online training programme on Promoting Women Agripreneurship through Crop-Livestock-Fisheries Technologies during	14- 18 Sept., 2021.	Online	ICAR-CIWA, Bhubaneshawar and MANAGE, Hyderabad
		3. Management of Infertility in Cattle from Common Wealth of learning	15 th Oct.2021. (Six weeks)	Online	agMOOCs
		4.Virtual lecture on Achieving Food and nutrition Security Through Sustainable Technologies.	16 th Oct. 2021	Online	Department of Food Science & Technology, JNKKV, Jabalpur MP
2022 – 2023					
1	Dr. Londhe, G.K.	49 th Dairy Industry Conference India Dairy to the World : Opportunities & Challenges	16-18 Mar. 2023	Gandhinagar	Indian Dairy Association New Delhi and Gujarat State Chapter
2	Dr. Narwade, S.G.	49 th Dairy Industry Conference India Dairy to the World : Opportunities & Challenges	16-18Mar. 2023	Gandhinagar	Indian Dairy Association New Delhi and Gujarat State Chapter
3	Dr. Bainwad, D.V.	National Symposium on Animal Genetic Resources (AnGR) Management for Rural Livelihood Enhancement	23-24 Feb.,2023	Parbhani	Department of Animal Genetics and Breeding, CoVAS, MAFSU, Parbhani.
4	Dr. Patil, R. A.	National Symposium on Animal Genetic Resources (AnGR) Management for Rural Livelihood Enhancement	23-24 Feb.,2023	Parbhani	Department of Animal Genetics and Breeding, CoVAS, MAFSU, Parbhani
5	Dr. Kamble,	49 th Dairy Industry Conference India Dairy to the	16-18	Gandhinagar	Indian Dairy

Faculty and Staff Development

	N.S.	World : Opportunities & Challenges	Mar.-2023		Association New Delhi and Gujarat State Chapter
6	Dr.Andhare B.C.	1.Statistical Techniques for Agriculturist from Common Wealth of learning	26 July 2022. (Six weeks)	Online	agMOOCs
		2.Training programme on Role of Science & Technology in sustainable Agriculture, Horticulture, Animal Husbandry and Allied Sectors: Retrospective and prospective.	9 - 29, Nov. 2022	Online	ICAR, New Delhi.
		3.National training on Laboratory Animal Management and Breeding	10 -16 Jan. 2023.	Online	Dept. of Animal Genetics and Breeding, CoVS, MAFSU, Parbhani

Department of Agricultural Econmoics

2018 - 2019					
S. No.	Name of participant	Title of National/International seminars/symposia/workshop/traini ng/consultancy/visits/special assignment etc.	Duration with date	Place	Organizing Agency
1	Dr. Deshmukh K. V.	National Conference of Maharashtra Society of Agricultural Economics	25-26 Oct., 2018	Panji, Goa	Maharashtra Society of Agril. Econ,Akola
2	Dr. More, S.S.	1.National Conference of Maharashtra Society of Agricultural Economics	25-26 Oct., 2018	Panji, Goa	Maharashtra Society of Agricultural Economics, Akola
		2.Faculty Development Training Programme	18-19 March, 2019	Parbhani	MCED, Parbhani
		3.Intellectual property Rights for Agri-Startups	15-17 May, 2019	Hyderabad	MANAGE, Hyderabad

Faculty and Staff Development

		4.Advanced Research Methodologies in Social Sciences	26-28 Feb., 2019	Dharwad	UAS, Dharwad
		5.22 nd National Conference of Maharashtra Society of Agricultural Economics	21-22 Dec., 2019	VNMKV, Parbhani	Dept. of Agril. Economics, CoA, VNMKV, Parbhani
3	Dr. Chavan, R. V.	National Conference of Maharashtra Society of Agricultural Economics	25-26 Oct., 2018	Panji, Goa	Maharashtra Society of Agril. Econ,Akola
4	Dr. Tawale, J. B.	Quantitative Methods for Agricultural Policy Analysis	23 Jan-12 Feb., 2018	IARI, New Delhi	Division of Agril. Econimcs, IARI, New Delhi
5	Dr. Shelke, R. D.	Fundamentals of Agricultural Extension	07 Mar. 2018 to 23 Apr. 2018.	Online	IIT, Kanpur and Commonwealth of Learning, Canada
6	Dr. Chavan, R. V.	Advanced Research Methodologies in Social Sciences	26-28 February, 2019	Dharwad	UAS, Dharwad
7	Dr. Thombre, R. F.	Advanced Research Methodologies in Social Sciences	26-28 February, 2019	Dharwad	UAS, Dharwad
8	Dr. Paathrikar, D.T.	Advanced Research Methodologies in Social Sciences	26-28 February, 2019	Dharwad	UAS, Dharwad
9	Dr .Shelke, R. D.	1.Employment generation among rural youth through Agripreneurship	18 June 2019 - 30 July 2019	Indian Institute of Technology, Kanpur	IIT, Kanpur and Commonwealth of Learning, Canada
		2.e-Extension	18 Oct. 2019 to 03 Dec. 2019	Indian Institute of Technology, Kanpur	IIT, Kanpur and Commonwealth of Learning, Canada
10	Dr. Deshmukh, K. V.	22 nd National Conference of Maharashtra Society of Agricultural Economics	21-22 Dec., 2019	VNMKV, Parbhani	Department of Agril. Economics, CoA, VNMKV, Parbhani
11	Dr. Nagargoje, S. R.	22 nd National Conference of Maharashtra Society of Agricultural Economics	21-22 December, 2019	VNMKV, Parbhani	Department of Agril. Economics, CoA,

Faculty and Staff Development

		Economics			VNMKV, Parbhani
12	Dr. Perke, D.S.	22 nd National Conference of Maharashtra Society of Agricultural Economics	21-22 Dec., 2019	VNMKV, Parbhani	Department of Agril. Economics, CoA VNMKV, Parbhani
13	Dr Shelke, R. D.	22 nd National Conference of Maharashtra Society of Agricultural Economics	21-22 Dec., 2019	VNMKV, Parbhani	Dept. of Agril. Economics, CoA VNMKV, Parbhani
14	Dr. Chavan, R. V.	22 nd National Conference of Maharashtra Society of Agricultural Economics	21-22 Dec., 2019	VNMKV, Parbhani	Department of Agril. Economics, CoA VNMKV, Parbhani
15	Dr. Tawale, J. B.	22 nd National Conference of Maharashtra Society of Agricultural Economics	21-22 Dec., 2019	VNMKV, Parbhani	Department of Agril. Economics, CoA VNMKV, Parbhani
16	Dr. Thombre, R. F.	22 nd National Conference of Maharashtra Society of Agricultural Economics	21-22 Dec., 2019	VNMKV, Parbhani	Department of Agril. Economics, CoA VNMKV, Parbhani
17	Dr.Paathrikar, D.T.	22 nd National Conference of Maharashtra Society of Agricultural Economics	21-22 Dec., 2019	VNMKV, Parbhani	Department of Agril. Economics, CoA VNMKV, Parbhani
2019 - 2020					
1	Dr. More, S.S.	Advanced Research Methodologies in Social Sciences	26-28 Feb., 2019	Dharwad	UAS, Dharwad
2	Dr. Chavan, R. V.	Advanced Research Methodologies in Social Sciences	26-28 Feb., 2019	Dharwad	UAS, Dharwad
3	Dr.Thombre R. F	Advanced Research Methodologies in Social Sciences	26-28 Feb., 2019	Dharwad	UAS, Dharwad
4	Dr. Paathrikar D.T.	Advanced Research Methodologies in Social Sciences	26-28 Feb., 2019	Dharwad	UAS, Dharwad

Faculty and Staff Development

5	Dr. More, S.S.	1.Faculty Development Training Programme	18-19 March, 2019	Parbhani	MCED, Parbhani
		2.Intellectual property Rights for Agri-Startups	15-17 May, 2019	Hyderabad	MANAGE, Hyderabad
6	Dr. Shelke, R. D.	1.Employment generation among rural youth through Agripreneurship	18 June 2019 to 30July 2019.	Indian Institute of Technology, Kanpur	IIT, Kanpur and Commonwealth of Learning, Canada
		2.e-Extension	18 Oct. 2019 - 03Dec. 2019.	Indian Institute of Technology, Kanpur	IIT, Kanpur and Commonwealth of Learning, Canada
7	Dr. Deshmukh, K. V.	22 nd National Conference of Maharashtra Society of Agricultural Economics	21-22 Dec., 2019	VNMKV, Parbhani	Department of Agril. Economics, CoA VNMKV, Parbhani
8	Dr. Nagargoje, S. R.	22 nd National Conference of Maharashtra Society of Agricultural Economics	21-22 Dec., 2019	VNMKV, Parbhani	Department of Agril. Economics, CoA VNMKV, Parbhani
9	Dr. perke, D.S.	22 nd National Conference of Maharashtra Society of Agricultural Economics	21-22 Dec., 2019	VNMKV, Parbhani	Department of Agril. Economics, CoA VNMKV, Parbhani
10	Dr. More, S.S.	22 nd National Conference of Maharashtra Society of Agricultural Economics	21-22 Dec., 2019	VNMKV, Parbhani	Department of Agril. Economics, CoA VNMKV, Parbhani
11	Dr Shelke, R. D.	22 nd National Conference of Maharashtra Society of Agricultural Economics	21-22 Dec., 2019	VNMKV, Parbhani	Department of Agril. Economics, CoA VNMKV, Parbhani
12	Dr. Chavan, R. V.	22 nd National Conference of Maharashtra Society of Agricultural Economics	21-22 Dec., 2019	VNMKV, Parbhani	Department of Agril. Economics, CoA VNMKV, Parbhani
13	Dr. J. B. Tawale	22 nd National Conference of	21-22 Dec., 2019	VNMKV, Parbhani	Dept. of Agril.

Faculty and Staff Development

		Maharashtra Society of Agricultural Economics			Economics, CoA VNMKV, Parbhani
14	Dr. R. F. Thombre	22 nd National Conference of Maharashtra Society of Agricultural Economics	21-22 Dec., 2019	VNMKV, Parbhani	Deprat. of Agril. Economics, CoA VNMKV, Parbhani
15	Dr. Paathrikar D.T.	22 nd National Conference of Maharashtra Society of Agricultural Economics	21-22 Dec., 2019	VNMKV, Parbhani	Dept. of Agril. Economics, CoA VNMKV, Parbhani
2020 - 2021					
1	Dr. Perke, D.S.	1. Employment generation among rural youth through Agripreneurship	24 April -14 June 2020.	agMOOCs	IIT Kanpur and Commonwealth of Learning, Canada
		2. Fundamentals of Agricultural Extension	08 May- 30 June 2020	agMOOCs	IIT Kanpur and Commonwealth of Learning, Canada
2	Dr. Shelke, R. D.	1. Employment generation among rural youth through Agripreneurship	24 April -14 June 2020	agMOOCs	IIT Kanpur and Commonwealth of Learning, Canada
		2. Fundamentals of Agricultural Extension	08 May-30 June 2020.	agMOOCs	IIT Kanpur and Commonwealth of Learning, Canada
3	Prof. Kamble, S.H.	1. Five days Workshop on Learning Statistics and Data analysis using SPSS	15-19 Oct., 2020	Online	Simple Statistics Solution and training provider, Tirunelveli
		2. Three days Workshop on Learning Statistics and Data analysis using MS-Excel	05-07 Sept., 2020	Online	Simple Statistics Solution and training provider, Tirunelveli
4	Dr. Perke, D.S.	Online training programme on Recent trends in Academic Writing	20-24 May 2020	Online	University Library and Dept. of Exten. Edu. VNMKV, Parbhani
5	Dr. More, S.S.	Online training programme on Recent	20-24 May 2020	Online	University Library

Faculty and Staff Development

		trends in Academic Writing			and Dept. of Exten. Edu.VNMKV, Parbhani
6	Dr. Shelke, R. D.	Online training programme on Recent trends in Academic Writing	20-24 May 2020	Online	University Library and Dept. of Exten. Edu.VNMKV, Parbhani
7	Dr. Chavan, R. V.	Online training programme on Recent trends in Academic Writing	20-24 May 2020	Online	University Library and Dept. of Exten. Edu.VNMKV, Parbhani
8	Dr. Shelke, R. D.	1.Training on COVID-19 pandemic: Impact and Strategies for Agricultural Education	9-13 June, 2020	Online	NAHEP, VNMKV, Parbhani
		2.International E-Conference on Digital education: Scope and challenges in India	27-28 June, 2020	Online	Bhartiya Shikshan Manadal, Meerut Prant and CCSU, Meerut
		3. Webinar on Entrepreneurship opportunities through alternate Horticulture based farming system	16 July,2020	Online	RVSKVV Gwalior, Madhya Pradesh
		4. Webinar on Impact of COVID-19 on Indian Labour market	23 July,2020	Online	Dept. of Economics, Govindammal Aditanar College for WomenTiruchendur,
		5.Webinar on How to Restart Economy after COVID-19	27 July,2020	Online	Dept. of Economics, Basavaprabhu Kore Arts Science and Commerce College,

Faculty and Staff Development

					Chikodi
		6.National Webinar on COVID-19 and its impact on Human Development	29 July,2020	Online	Dept. of Economics, Bengaluru University Bengaluru
		7. Webinar on Impact of COVID-19 on Agriculture : Challenges and Opportunities	05 Aug,2020	Online	Dept. of Economics, Sharadrao Pawar Arts and Commerce College, Gadchandur, Chandrapur
9	Dr. Chavan, R. V.	1.Faculty Development Programme	18 -29 Mar. , 2019	Online	MCED,Parbhani
		2.Psychology of Learning	1-15 May,2020	Online	NAARM, Hyderabad
2021 - 2022					
1	Dr. Shelke, R. D.	1.Theoretical Foundations of Educational technology	01-30 June 2021	Online	NAARM, Hyderabad
		2.Training on Computer Applications in Agriculture	27-29 Sept., 2021	Online	College of Agriculture, Latur
		3.Digital Teaching Techniques	01-31 Dec. 2021.	Online	NAARM, Hyderabad
		4.National Symposium on Achieving Sustainability in Crop Production Through Alimentation and Plant Protection	17-18 Nov.2021	Online	Dept. of Plant Pathology
2	Dr. Tawale, J.B.	1.Theoretical Foundations of Educational technology	01-30 June 2021	Online	NAARM, Hyderabad
		2.International Workshop on Advance Statistical Data Analysis using SPSS	21-27 Jan., 2022	Online	Science Tech. Institute, Lucknow
		3.International Webinar on Role of Legumes and Pulses in Sustainable	17 July, 2021	Online	SKRAU, Bikaner, Rajsthan

Faculty and Staff Development

		Cropping System of Hot Arid Zone			
		4.National Webinar on Market Intelligence: Agricultural Market and Price Information System	29 Sept. 2021	Online	Dept. of Agril. Econ. & Mgt. MPAUT, Udaipur,
		5.National Symposium on Achieving Sustainability in Crop Production Through Alimentation and Plant Protection	17-18 Nov.2021	Latur	Dept. of Plant Pathology, CoA, Latur
3	Dr. Kamble, S. H.	1.Training on Computer Applications in Agriculture	27-29 Sept., 2021	Online	College of Agriculture, Latur
		2.National Symposium on Achieving Sustainability in Crop Production Through Alimentation and Plant Protection	17-18 Nov.2021	Latur	Dept. of Plant Pathology, CoA, Latur
4	Dr. More, S.S.	1.Digital Teaching Techniques	01-31 Dec. 2021.	Online	NAARM, Hyderabad
		2.National Conference of Agricultural Economics	13-14 Feb.2021	Online	Dept. of Agril. Economics, Dr. BSKKV, Dapoli
		3.National Symposium on Achieving Sustainability in Crop Production Through Alimentation and Plant Protection	17-18 Nov.2021	Latur	Dept. of Plant Pathology, CoA, Latur
5	Dr. Thombre, R. F.	1.Policies, Institution and Marketing for Climate Smart Agriculture	09 - 29 Aug.2021	Online	NAHEP,CAAST and MPKV, Rahuri
		2.National Conference of Agricultural Economics	13-14 Feb,2021	Online	Dept. of Agril. Econ., Dr. BSKKV, Dapoli
6	Dr. Perke, D. S.	1.National Conference of Agricultural Economics	13-14 Feb.,2021	Online	Dept. of Agril. Econ., Dr. BSKKV, Dapoli

Faculty and Staff Development

		2.National Symposium on Achieving Sustainability in Crop Production Through Alimentation and Plant Protection	17-18 Nov.2021	Latur	Dept. of Plant Pathology, CoA, Latur
7	Dr. Chavan, R. V.	1.National Conference of Agricultural Economics	13-14 Feb,2021	Online	Dept. of Agril. Econ., Dr. BSKKV, Dapoli
		2.National Symposium on Achieving Sustainability in Crop Production Through Alimentation and Plant Protection	17-18 Nov.2021	Latur	Dept. of Plant Pathology, CoA, Latur

Department of Agricultural Meteorology

S. No	Name of participant	Title of National/ International seminars/ symposia/ workshop /training /consultancy visits/special assignment	Duration with date	Place	Organizing Agency
2018 - 2019					
1.	Dr. Jadhav, M. G.	Participated and presented a paper in International Symposium on Advances in Agrometeorology for managing climatic risks of farmers	11-13 Feb. 2019	New Delhi,	Association of Agrometeorologists, IMD, ICAR - IARI, JNU, Delhi
2.	Dr. Khobragade, A.M.	Recent advances in Statistical modelling & forecasting for agril.data analysis	23 Feb.- 15 Mar. 2019	New, Delhi.	IASRI, Pusa, Delhi.
2019 - 2020					
1.	Dr. Khobragade, A.M.	Workshop on Communication skill and personality development.	2 Jan,2020	Pune	CAAST-CSAWM, COA, Pune
2020 - 2021					
1.	Dr. Jadhav, M.G.	1.Training programme on Recent trends in Academic writing	20-24 May 2020	Parbhani	University library & Dept. of Extn. Edu. VNMKV, Parbhani
		2.Training programme on Applications of Remote Sensing and GIS in Digital Agriculture	04-08 June 2020	Parbhani	VNMKV, Parbhani
2.	Dr. Khobragade, A.M.	Training on Climate smart Organic farming	15 Feb.-07 Mar. 2021	Rahuri	CAAST, MPKV, Rahuri

Faculty and Staff Development

2021-2022					
1.	Dr. Jadhav, M.G.	National Conference of Plant Physiology-2021 Frontiers of Plant Physiology for Climate Smart Agriculture	09-11 Dec. 2021	Baramati, Pune.	ICAR-NIASM, Baramati, Pune.
2.	Dr. Khobragade, A.M.	Workshop on Effective e-content development for education in agriculture	21-22 Nov,2022	Parbhani	NAHEP VNMKV, Parbhani
3.	Prof. Gote, G.N.	1.Workshop on Effective e-content development for education in agriculture	21-22 Nov,2022	Parbhani	NAHEP VNMKV, Parbhani
		2.Training on Recent advances in Agril. Meteorology, ICAR-CAFT in Agril. Met, Pune. W.e.f. 1 st Dec to 21 st Dec.2022	1 - 21 Dec.2022	Pune	Agril. Met, Pune.
		3.International workshop on advanced digital technologies in agricultural automation (ADTAA-2022)	14-16 Mar.,2022	Parbhani	NAHEP-CAAST , VNMKV, Parbhani
2022 - 2023					
1.	Dr. Jadhav, M.G.	1.Attended XVI Biennial Workshop of AICRP on Agrometeorology.	12-14 Nov. 2022	Bengaluru	AICRP on Agrometeorology, UAS Bengaluru
		2.Capacity building training program on Agromet techniques for improving resource use in Agriculture.	15-21 Nov. 2022	Bengaluru	AICRP on Agrometeorology, UAS Bengaluru

Faculty and Staff Development

Department of Agricultural Entomology

Sr. No.	Name of the Participant	Title of National/ International Seminars/ Symposia/ Workshops/ Training/ Consultancy visits/ Special assignments	Duration with date	Place	Organizing Agency
2018-2019					
1	Dr. Neharkar, P.S.	1. International conference on advances in agriculture and allied science technologies for sustainable development-2018	10-11, Feb. 2018	Prof. G. Ram Reddy Center For Distance Education, OU Hyderabad,	GUARD, Society. Hyderabad
		2. Symposium current and emerging trints in PHM	23-24, Aug. 2018	Goa	Asso. of Plant Pathologist & Dr. PDKV Akola
2	Dr. Sonkamble, M.M.	1. International conference on advances in agriculture and allied science technologies for sustainable development-2018	10-11, Feb. 2018	Prof. G. Ram Reddy Center For Distance Education, OU Hyderabad,	GUARD, Society. Hyderabad
		2. International Seminar on Global Climate Change: Implications for Agriculture and Water Sectors	14-16, Dec. 2018	Walmi, Aurangabad	VNMKV, Parbhani
		3. Risk Assessment & Management of Non Insect Pests for Sustainable Agri	7- 16 Jan. 2019	NAU, Navsari	Navsari Agricultural University, Navsari
3	Dr. Khan, F.S.	International conference on advances in agriculture and allied science technologies for sustainable development	10-11, Feb. 2018	Prof. G. Ram Reddy Center For Distance Education, OU Hyderabad,	GUARD, Society. Hyderabad
4	Dr. Bhede, B.V.	1. Winter School Training on Insect Resistance to Bt Toxins and Insecticides in Cotton organized	18 Jan -7 Feb. 2018	ICAR - CICR, Nagpur	ICAR - CICR, Nagpur

Faculty and Staff Development

		2.Integrated Pest Management	8 Oct -8 Dec. 2018	IIT Kanpur and UAS, Raichur	IIT Kanpur and UAS, Raichur
5	Dr. Lad, A.G.	1.Integrated Pest Management	8 Oct -8 Dec. 2018	IIT Kanpur and UAS, Raichur	IIT Kanpur and UAS, Raichur
		2. Insect Resistance to Bt Toxins and Insecticides in Cotton organized by CICR, Nagpur	18 Jan. to 7 Feb. 2018	CICR, Nagpur	ICAR-CICR, Nagpur
6	Dr. Jayewar,N.E.	Integrated Pest Management	8 Oct -8 Dec. 2018	IIT Kanpur and UAS, Raichur	IIT Kanpur and UAS, Raichur
7	Dr. Kadam,D.R.	International symposium on Influence of Different bee Attractant on Honey bee visits in Onion field	9-12 Feb, 2019	YASHADA, Pune	Directorate of Onion and Garlic Research, Rajgurunagar
2019-2020					
1	Dr. Sonkamble, M.M.	Advances in Biology, Conservation, Rearing & Management of <i>Apis</i> & <i>Non Apis</i> Bees	4-24 Oct. 2019	Department of Entomology CCSHAU, Hisar	Department of Entomology CCSHAU, Hisar (ICAR CAFT)
		National Conference of Maharashtra Society of Agricultural Economics	21-22 Dec.2019	Dept. Agril. Econ., VNMKV, Parbhani.	Dept. Agril. Econ., VNMKV, Parbhani.
2	Dr. Lad,A.G.	Winter School on Novel Techniques in mass culturing of smart Microbian Biocontrol Agents for the development of Biopesticides	3- 23 Dec.2019	ICAR-NBAIR, Bengaluru	ICAR-NBAIR, Bengaluru
3	Dr. Neharkar, P. S.	1.4 th International Conferance on science, agriculture & technology for society theme: recents advances in science, technology & humanities	13-15 May 2019	East West Institute of Tech., Bengaluru	VMS Research Foundation, Nagpur & East West Institute of Tech., Bengaluru
		2.National Seminar on Conservation of Honey bee	20 May 2019	Nagpur	KVIC, Nagpur, (Dr. PDKV, Akola) AASC, Nagpur & Sai Baba Art & Science College ,

Faculty and Staff Development

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		3.22 nd National Conference of MSAE, Dept. of Agril. Economics, VNMKV Parbhani	21-22 Dec., 2019	Dept. Agril. Econ., VNMKV, Parbhani.	Dept. Agril. Econ., VNMKV, Parbhani.
		4.Global Organic Convention-2019 Natural Resource Management for Sustainable Agriculture, Soil Health and Quality Food	15-17 Sept. 2019	Dr. PDKV, Akola	Society of Agri. Res. & Development, COART, Dr. PDKV, Akola
		5.National Seminar on Intellectual Property Rights in Legal Framework	18 Jan 2020	Shri. Shivaji Law College, Parbhani	Shri. Shivaji Law College, Parbhani
4	Dr. Bantewad, S.D.	22 nd National Conference of MSAE, Dept. of Agril. Economics, VNMKV Parbhani	21-22 Dec., 2019	Dept. Agril. Econ., VNMKV, Parbhani.	Dept. Agril. Econ., VNMKV, Parbhani.
5	Lad, A. G.	22 nd National Conference of MSAE, Dept. of Agril. Economics, VNMKV Parbhani	21-22 Dec., 2019	Dept. Agril. Econ., VNMKV, Parbhani.	Dept. Agril. Econ., VNMKV, Parbhani.
6	Bhede, B.V.	22 nd National Conference of MSAE, Dept. of Agril. Economics, VNMKV Parbhani	21-22 Dec., 2019	Dept. Agril. Econ., VNMKV, Parbhani.	Dept. Agril. Econ., VNMKV, Parbhani.
7	Dr. Khan, F.S.	1.International conference on global Perspectives in Agril. And Applied science for food and Environment Security (GAAFES 2019)	2019	Uttarakhand, India	AETDS, U.S Nagar, Uttarakhand, India
		2.National Conference of Maharashtra Society of Agril. Economics	21-22 Dec, 2019	VNMKV, Parbhani	Department of Agril. Economics, VNMKV, Parbhani
8	Dr.N.E.Jayewar	1.Detection,Diagnosis and management of plant Disease	Six Week 2019	BHU,Varanasi,Commonwealth of Learning and IIT, Raipur	BHU,Varanasi,Commonwealth of Learning and IIT, Raipur

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		2.e-Extension	Six Week 2019	BHU,Common wealth of Learning & IIT, Raipur	BHU,Varanasi,Commo nwealth of Learning and IIT, Raipur
		3.Novel techniques in mass culturing of smart microbial biocontrol agents for the development of biopesticides	03-23 rd December 2019 (21 days)	NBAIIR, Bengaluru.	ICAR, New Delhi
9	Dr. Sonkamble M.M.	Agrometeorological Interventions for enhancing farmers income	20-22 Jan 2020	KAU, Thrissur, Kerala	KAU, Thrissur, Kerala
2020-2021					
1	Dr.Neharkar, P.S.	1.Recent Trends in Academic Writing	20-24 May 2020	VNMKV, Parbhani	VNMKV, Parbhani
		2. Training on Recent Advances and Instrumentation in Agril. Meteorology	26 May - 02 June 2020	Online	NAHEP, VNMKV, Parbhani
		3. International Training Programme on Advance Digital And Biotech. Tool in Modern Agriculture	04 -08 June 2020	Online	NAHEP, VNMKV, Parbhani
		4.Brainstorming e-workshop on Student Entrepreneurship in Current Scenario of Agril. Education	20 July, 2020	Online	NAHEP, Dr. PDKV, Akola
		5. National e-training on Indian Agril. Education System and Entrepreneurship Scope in 21 Century	05 – 14 Aug. 2020	Online	NAHEP, Dr. PDKV, Akola
		6. Faculty Development Programme on New Educational Environment Through Information Tech.	15 -21 July 2020	Online	COA, Dr. PDKV, Akola
2	Dr. Sonkamble, M.M.	1.Integrated Pest Management AgMOOCs Training	8 week Online 30 June 2020	Dept. of Ento.UAS, Raichur, Karnataka	Dept. of Ento.UAS, Raichur, Karnataka
		2.International Web Conference on	5-6 Aug 2020	Bihar Agricultural	Bihar Agricultural

Faculty and Staff Development

		Ensuring Food Safety, Security & Sustainability through Crop Protection		University, Sabour , Bhagalpur, Bihar	University, Sabour, Bhagalpur, Bihar
		3.Recent Trends in Academic Writing	20-24 May 2020	VNMKV, Parbhani	VNMKV, Parbhani
3	Dr. Zanwar, P.R.	National Symposium on Cotton production technologies in the next decade: Problems and Perspectives	22-24 Jan 2020.	OUAT, Bhubaneswar	CRDA, CCS, HAU, Hissar and OUAT, Bhubaneswar
4	Dr. Lad, A.G.	National Symposium on Cotton production technologies in the next decade: Problems and Perspectives	22-24 Jan 2020.	OUAT, Bhubaneswar	CRDA, CCS, HAU, Hissar and OUAT, Bhubaneswar
5	Dr. Bhede,B.V.	1.Integrated Vertebrate Pest Management	6 - 26 Feb.2020	NIPHM, Hyderabad	NIPHM, Hyderabad
		2.Diagnosis of Crop and Stored Grain Pests and their Management	February to March 2020 (6 Weeks)	IIT Kanpur and UAS, Raichur	IIT Kanpur and UAS, Raichur
		3.National e-Training on Indian Agricultural Education System and Entrepreneurship Scope in 21 st Centaury	2 weeks (5-14 August 2020)	Dr. PDKV, Akola	Dr. PDKV, Akola
		4.National Level Online Training on Recent Advances in Entomology - New Dimensions to Invigorate the Insect Pest Management	10 days (7-18 Dec. 2020)	College of Horticulture, Bidar, Karnataka	College of Horticulture, Bidar, Karnataka
6	Dr. Khan, F.S.	1.Insecticides Resistance: Biochemical & Molecular Perspectives & Strategies for combating Resistance to insecticides	8-28 Jan. 2020	Karnataka	ICAr-NBAIR, Karnataka
		2.Diagnosis of Crops and Storied Grain Pests and their Management	Six Weeks 31 March 2020	Kanpur	agMOOCs, Kanpur
		3.Employment Generation among Rural Youth through Agri	Six Weeks 14 June 2020	Kanpur	agMOOCs, Kanpur

Faculty and Staff Development

		entrepreneurship			
		4.Fundamentals of Agricultural Extension	Six Weeks 30 June 2020	Kanpur	agMOOCs, Kanpur
2021-2022					
1	Dr.Neharkar, P. S.	1.National Symposium on Achieving Sustainability in Crop Production through Alimentation & Plant Protection	17-18 Nov., 2021	Plant Pathology, COA, Latur	Plant Pathology, COA, Latur, COA, Parbhani & IPS, New Delhi
		2.Winter School on Commercial Apiculture for Livelihood Security of Farmer and Unemployed Rural Youth	10 Feb to 02 Mar. 2022	Department of Entomology, PAU, Ludhiana	Department of Entomology, PAU, Ludhiana
		3.Climate Smart -2022: Approaches for sustainable Sericulture	6-7 Oct 2022	NIFT Bengaluru	Central Silk Board, MoT, Govt. of India
		4.Scientific management of <i>Apis mellifera</i> colonies for nutritional & economic security	25 Jan to 3 Feb 2022	Dept of Entomology CCSHAU, Hisar	Department of Entomology CCSHAU, Hisar (ICAR CAFT)
2	Dr. Zanwar, P.R.	1.National Symposium on Achieving Sustainability in Crop Production through Alimentation & Plant Protection	17-18 Nov., 2021	Plant Pathology, COA, Latur	Plant Pathology, COA, Latur, COA, Parbhani & IPS, New Delhi
		2.National Symposium on Paradigm Shift in Cotton Cultivation	8-10 Aug. 2022	MPUAT, Udaipur	MPUAT, Udaipur
3	Dr Sonkamble M. M.	1.National Symposium on Achieving Sustainability in Crop Production through Alimentation & Plant Protection	17-18 Nov., 2021	Plant Pathology, COA, Latur	Plant Pathology, COA, Latur, COA, Parbhani & IPS, New Delhi
		2.Workshop cum Webinar on E-resources in Networked Digital Environment	28 sep 2021	Indian Veterinary Research Institute, Izatnagar (UP)	Indian Veterinary Research Institute, Izatnagar (UP)
		3.Scientific management of <i>Apis mellifera</i> colonies for nutritional & economic security	25 Jan to 3 Feb 2022	Dept of Entomology CCSHAU, Hisar	Department of Entomology CCSHAU, Hisar (ICAR CAFT)
		4.Effective e-content Development	21-22 Nov 2022	CoA, Parbhani	NAHEP& CoA,

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		for Education in Agriculture			Parbhani
4	Dr. Lad, A.G.	1.National Symposium on Paradigm Shift in Cotton Cultivation	8-10 Aug. 2022	MPUAT, Udaipur	MPUAT, Udaipur
		2.Integrated Pest Management: A Way Forward for Food Safety, Security & Sustainability	09-30 Jan., 2023	NCIPM, New Delhi	NCIPM, New Delhi
		3.National Symposium on Achieving Sustainability in Crop Production through Alimentation & Plant Protection	17-18 Nov., 2021	Plant Pathology, COA, Latur	Plant Pathology, COA, Latur, COA, Parbhani & IPS, New Delhi
5	Dr.Bhede, B.V.	National Symposium on Paradigm Shift in Cotton Cultivation	8-10 Aug. 2022	MPUAT, Udaipur	MPUAT, Udaipur

Department of Agricultural Engineering

Sr. No	Name of the Participant	Title of National/ International seminars / symposia / workshop / training/ consultancy visits/special assignment etc.	Duration with date	Place	Organizing Agency
2018 - 2019					
1.	Dr. Jaybhaye, R. V.	1. Recent trends in Plant Sciences and Agricultural Research.	11-12 Jan., 2018	ZARS, Solapur	Zonal Agril. Research Station (MPKV)
		2. Life Skills for Engineers (Level I).	15 May – 28 June 2018	Hyderabad	University of Hyderabad
		3. Innovative applications of Renewable energy technologies for rural sector.	01 – 10 Oct. 2018	PDKV, Akola	Dept. of Unconventional Energy Sources & Elect. Engg.
2.	Pawar,S.N.	1.Procurement Workshop and Industry visit	27 Nov.2019	New Delhi	NAHEP, New Delhi
		2.The International conference on Artificial Intelligence	6 – 8 Jan. 2020	Pune	MPKV, Rahuri.

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3.	Dr. Phulari,S.S.	Training on TerrSet,WMS10.1,Surfer 15, Global Mapper19	04 - 16 June 2018	VNMKV Parbhani	COAET VNMKV Parbhani
2019 - 2020					
1.	Dr. Jaybhaye, R. V.	1.Dewas Pattern of Rainwater Harvesting through Farm pond network, Farm roads & Running track development and Campus beautification	23. Feb. 28 June. 2018	Latur	College of Agriculture, Latur
		2.Surface runoff drainage networking, Cross drainage work & RCC pipe laying at inlet and outlet of farm ponds and farm roads	20.May 2019 to 30.Oct.2019	Latur	College of Agriculture, Latur
2.	Dr. Phulari,S.S.	CAFT on ICT for Development	05–25 Nov. 2019	Bhagalpur (Bihar)	BAU, Sabour, Bhagalpur (Bihar)
2020 - 2021					
1.	Dr. Jaybhaye, R. V.	Intern. Web Conference on New trends in agriculture, environment & biological sciences for inclusive development.	21-22 June, 2020	Rampur, U.P. (India)	Agro Environ- mental Development Society
2.	Prof. Jadhav, V.B.	1.International Webinar on Technological Trends in Mathematics and Statistics.	26 Sept.2020	Satara	Yashavantrao Chavan Institute of Science Satara
		2.National Webinar on Trekking in the Himalayas.	17 Dec.2020	Jalna	R.G. Bagdia Arts., S.B. Lakhotia Commerce and R. Benonji Science College Jalna
		3.State Level Workshop on Research Methods in Social Science Subject.	04 Mar.2021	Solapur	Karmveer Bhaurao Patil Mahavidhyalaya, Pandarpur
		4.Training on Level 1- Vedic	11 - 21 Oct. 2020		Yogdhara, Transforming

Faculty and Staff Development

		Mathematics			life through Yoga
3.	Prof. Pawar S.N.	1.The International Symposium on Application of Drone, Robotics and IoT in Agriculture	25 July 2020	Rahuri	MPKV, Rahuri
		2. Procurement Meeting and Industry Visit	18- 19 Dec. 2020	New Delhi	NAHEP, New Delhi
		3.Recent Advances & Instrumentation in Agricultural Metrology	26 May - 2 June 2020	Parbhani	CAAST-DFSRDA, VNMKV, Centre
		4.Recent Physio-molecular Digital tools in Abiotic Stress Management for Crop Modeling.	29 June – 30 July 2020	Parbhani	CAAST-DFSRDA, VNMKV, Centre
		5.Applications of Remote Sensing & GIS in Digital Agriculture	4-8 June2020	Parbhani	IIT Bombay
		6.Climate Resilient Technologies for Rainfed Agriculture	11-15 June 2020	Parbhani	CAAST-DFSRDA, VNMKV, Centre
		7.Fundamentals of Agricultural Extension	30 June 2020 (Eight-week Online course)	Dept. of Extension Edu. BHU, Varanasi	Dept. of Extension Edu. BHU, Varanasi
		8.Digital Farming in Context of Precision Water Management	9-13 April 2020	CAAST MPKV, Rahuri	CAAST MPKV, Rahuri
		9.Protected Cultivation Technologies for Climate Smart Agriculture	21- 29 April 2020	CAAST MPKV, Rahuri	CAAST MPKV, Rahuri
		10.Fundamentals of Pressurized Irrigation Methods	5- 10 May2020	CAAST MPKV, Rahuri	CAAST MPKV, Rahuri
		11.Carbon sequestration in Climate Smart Agriculture	11- 13 May2020	CAAST MPKV, Rahuri	CAAST MPKV, Rahuri
		12.Recent Trends in Academic Writing	20- 24 May 2020	Uni. Lib. & Ext. Edu., VNMKV, PBN	DFSRDA E-Training

Faculty and Staff Development

		13. Psychology of Learning	1- 15 May 2020	Massive Open Online Course	ICAR, NAARM, Hyderabad
3	Dr. Phulari, S. S.	21 days National Training Course (NTC-2020)	26 May to 15-June 2020	Notational Agri. Development Corporative Ltd. (NADCL) Baramulla (J&K)	Notational Agriculture Development Corporative Ltd. (NADCL) Baramulla (J&K)
2021 - 2022					
1.	Prof. V.B. Jadhav	1. National Webinar on Mobile Apps For Teaching and Learning Mathematics .	23 Sept. 2021	Beed	KSK Alias Kaku Arts Science and Commerce College.
		2. National Webinar on Fixed Point Theory & Applications.	10- 12 Oct. 2021	Jalgaon	Dept. of Mathematics, Sciences, KBCNMU Jalgaon
		3. National Webinar on Fractional Calculus.	20 -22 Oct. 2021	Jalgaon	Dept. of Mathematics, Sciences, KBCNMU Jalgaon
		4. National Symposium on Achieving Sustainability in Crop Production Through Alimentation and Plant Protection.	17- 18 Nov. 2021	Latur	Dept. of Plant Pathology, CoA, Latur. VNMKV, Parbhani and IPS, New Delhi
		5. National Webinar on Recent Advances in Mathematics .	18 Jan. 2022	Majalgaon Dist. Beed	Shri Siddheshwar Mahavidyalaya,
		6. Maharashtra State Inter Agricultural University Employees Sports Meet.	01- 03 Mar. 2022	Dapoli Dist. Ratnagiri	Dr. BSKKV, Dapoli
		7. Skill & Expertise in Digital Information Landscape	10- 25 April, 2021	University of Delhi	Ramanujan College, Delhi.
		8. Theoretical Foundations of Educational Technology	01- 30 June 2021	Hyderabad	NAARM, Hyderabad

Faculty and Staff Development

		9.Statistical Techniques for Data Analysis in Agriculture.	04 - 13 Oct 2021	Pusa, New Delhi	IASRI, New Delhi
2.	Pawar, S.N.	1.GIS and Remote sensing applications in agriculture.	20 to 25 Jan.2021	NAHEP, VNMKV, Parbhani	NAHEP, VNMKV, Parbhani
		2.Advanced Digital Technologies in Agricultural Automation	14 -16 March 2022	NAHEP, VNMKV, Parbhani	NAHEP, VNMKV, Parbhani
3	Dr. Phulari,S. S.	1.Skill & Expertise in Digital Information Landscape	10 -25April 2021	University of Delhi	Ramanujan College , University of Delhi
		2.Theoretical Foundations of Educational Technology	01- 30 June 2021	NAARM Hyderabad	NAARM Hyderabad
		3.Statistical Techniques for Data Analysis in Agriculture.	04 - 13 Oct 2021	Pusa, New Delhi	IASRI, New Delhi

Faculty and Staff Development

2022 - 2023					
1	Dr. Bhagyawant, R.G.	1.Agricultural Engineering Innovation for Food Security	9 - 11Nov. 2022	56 th Annual Convention	ISAE, New Delhi & TNAU, Coimbatore
		2.Effective e-Content Development for Education in Agriculture.	21- 22 Nov.2022	VNMKV, Parbhani	NAHEP & VNMKV, Parbhani
2	Pawar, S .N.	1.Effective e- content Development for Education in Agriculture	21- 22 Nov.2022	VNMKV, Parbhani	NAHEP & VNMKV, Parbhani
		2.Data – Driven Agriculture : Tools & Techniques	10 - 23 Dec.,2022	IIT, Bombay	NAHEP , VNMKV&IIT Bombay

Department of Agricultural Extension Education

Sr. No.	Name of the Participant	Title of National/International Seminars/Symposia/Workshops/ Training / Consultancy Visits / Special assignment etc.	Duration with Date	Place	Organizing Agency
2018-2019					
1	Dr. Kadam R.P.	National Seminar on Advances in Agriculture and Allied Science.	4 Oct. 2018	Beed	Aditya Agril. Education Group, Beed
2.	Dr. Deshmukh P.R.	Orientation Workshop on NICE for Content Creator & Content Manager	17-18 April 2018	Parbhani	MANAGE Hyderabad
3	Dr. Kapse P.S.	1.MOOC on Dynamics of Teaching - Learning	1-30 Nov., 2018	ICAR- NAARM Hyderabad	ICAR-NAARM, Hyderabad
		2.ICT Interventions for Agricultural Development	28 Nov.- 18 Dec., 2018	ICAR- NAARM Hyderabad	NAARM, Hyderabad
		3.Faculty Development Training Programme on Entrepreneurship Development	18-29 Mar., 2019	CoVAS, Parbhani	College of Veterinary & Animal Sciences, Parbhani
4	Dr. Lad A.S.	National Conference on promoting and reinvigorating agri-horti,	15-16 Dec. 2018	Jaipur	Madhumitha Foundation, Suryapeth,

Faculty and Staff Development

technological innovations				Telangana	
2019-2020					
1	Dr. Kadam R.P.	1.New Frontiers in Agricultural Extension	29-31 May, 2019	MANAGE, Hyderabad	NAHEP- ICAR, New Delhi
		2.Training workshop on Education Management and Academic Leadership.	20-25 Sept., 2019	ICAR-NAARM, Hyderabad.	NAHEP- ICAR, New Delhi
		3.Pluralistic Extension for Enhancing Farmers income through Reaching the Unreached	6-7 Dec,2019	Rahuri	MSEE Akola and MPKV, Rahuri
		4.22 nd National Conference of Maharashtra Society of Agricultural Economics	21-22 Dec., 2019	Parbhani	VNMKV, Parbhani
		5.E- Content Development for Effective Teaching and learning Workshop.	1-2 Feb., 2020	DSM College Parbhani	SRTMU Nanded
2	Dr. Jakkawad, S.R	1. E-Extension	03 Dec 2019 (Six week Online)	Online	BHU, Varanasi and IIT, Kanpur
		2. Design Thinking for Agricultural Implements	17 Dec, 2019 (Eight week)	Online	IIT, Kanpur and CWL, Canada
3	Dr. Deshmukh P. R.	1.Conservation Agriculture Based Sustainable Intensification	31 Mar. 2020 (Six week Online)	Online	BAU, Sabour, IIT, Kanpur
		2.Diagnosis of crop and stored grain pests and their management	31 Mar. 2020 (Six week Online)	Online	UAS, Raichur, IIT, Kanpur
4	Dr. Kapse P.S.	1.E-Extension	15-30 Nov., 2019	Online	BHU Varanasi, IIT, Kanpur
		2.E-Content Dev. For Effective Teaching & Learning	1-2 Feb., 2020	DSM College Parbhani	DSM College, Parbhani
5	Dr.Lad A.S.	1.E-Extension	15-30 Nov., 2019	Online	BHU, Varanasi, & IIT, Kanpur

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		2.International workshop on Digital Farming Practices by AGRI-BOTS, AGRI-DRONES & Agri-AGVs	March 13-15,2020	Parbhani	NAHEP, VNMKV, Parbhani
2020-2021					
1	Dr. Kadam R.P.	1.Personality Development, Effective Communication Skills and Stress Management	14-18 April, 2020	Online	CAAST CSAWM, MPKV, Rahuri
		2.Training Programme on Recent Trends in Academic Writing	20-24 May,2020	Parbhani	VNMKV, Parbhani
		3.Training on Current Trends and Ethical Aspects in Scientific Writing	27-31 May, 2020	Parbhani	CoVAS, Parbhani
		4.Webinar on Rural Entrepreneurship Motivation	27 May, 2020	Tuljapur	TISS, Tuljapur
		5.National Webinar on Experimental Research in Social Science	13 July, 2020	Sabour, Bhagalpur	Bihar Agricultural University, Sabour
		6.Entrepreneurship Opportunities Through Alternative Horticulture Based Farming System	16 July 2020	Rajmata Vijayaraje Schindia KVV Gwalior, MP	NAHEP- ICAR, New Delhi
		7. Soft Skills to Enhance Professional Efficiency& Effectiveness	17-22 Aug., 2020	Dept of Ext. Educ. MPKV, Rahuri	NAHEP- ICAR, New Delhi
		8.Innovations, Skills, Upscaling & Linkages for Transforming in Agri.	24 Aug.2020	MPAUT, Udaipur	NAHEP- ICAR, New Delhi
		9.Moringa-A Super Food-Boon to Mankind	5-7 Oct., 2020	HC&RI, TANU,	EDH, PHBIF
		10.Training on Classroom Management	1-3 Dec., 2020	FDC, GBPAUT, Pantnagar	NAHEP- ICAR, New Delhi
		11.Webinar on Cotton Production Technology and Integrated Pest Management	02 July 2020	Aurangabad	MGM Nanasahab Kadam CoA Gandheli, Aurangabad
		12.Webinar on Entrepreneurship	16 July, 2020	Online	RVSKVV, Gwalior,

Faculty and Staff Development

		Opportunities Through Alternate Horticulture Based Farming System			Madhya Pradesh
		13.Training Programme on Soft Skills to Enhance Professional Efficiency and Effectiveness	17-22 Aug, 2020	Online	CAAST SCAWM, Rahuri
		14.Webinar on Innovations, Skills, Upscaling and Linkage for transforming Agriculture in India	24 Aug, 2020	Online	MPUAT,Udaipur, Rajasthan
		15.International Webinar Series on Moringa- A Super Food – Boon to Mankind	05-07, Oct 2020	Online	TNAU, Periyakulam, Tamil Nadu
		16.Training on Classroom management	01-03 Dec. 2020	Pantnagar	FDC, NAHEP Component-2A
		17.Training on Behavioural adaptation with Climate Change in Himalayan Region,	22-26 Feb., 2021	Indian Institute of Forest Mgnt. Bhopal	DST, GoI New Delhi
		18.National conference on ICT Based E-Recourses for Smart Agriculture- A Journey towards Atmanirbhar Bhatrat Post COVID-19 Pandemic Situation	16-17 Mar., 2021	Online	UAS, Raichur, Karnataka
2	Dr. Jakkawad, S.R	1.Life Skills for Engineers	1 Jan - 13 April, 2020	Online	CEMCA and University of Hyderabad
		2. Integrated Pest Management	30 June, 2020 (Eight week)	Online	UAS, Raichur and IIT, Kanpur
		3.International Well Conference Perspective on Agricultural and Applied Science in Covid-19	Oct., 4-6, 2020	U.S Nagar, Uttarakhand, India	AETDS, U.S Nagar, Uttarakhand, India
3	Dr. Deshmukh P.R.	1.Approaches towards development of rural and agriculture sector in the	May 8-9,2020	Tikamgarh (MP)	College of Agriculture, Tikamgarh (MP)

Faculty and Staff Development

		present scenario			
		2. Employment Generation among Rural Youth through Agripreneurship	14 June 2020 (Six week)	Online	BAU, Sabour, IIT, Kanpur
		3. Integrated Pest Management	30 June 2020 (Eight week)	Online	UAS, Raichur, IIT, Kanpur
		4. Fundamentals of Agricultural Extension	30 June 2020 (Eight week)	Online	BHU, Varanasi, IIT, Kanpur
		5. Training on Personality Development Effective Communication Skills and Stress Management	14-18 April 2020	Online	CAAST, CSAWM, MPKV, Rahuri under NAHEP of ICAR, New Delhi
		6. Training on Recent Trends in Academic Writing	20-24 May 2020	Online	Dept. Extn. Edu. University Library VNMKV, Parbhani.
		7. Digital Teaching Techniques	1-31 Dec., 2021	Online	ICAR-NAARM
4	Dr. Kapse P.S.	1. Personality Development, Effective Communication Skills & Stress Management	14-18 April, 2020	CAAST-CSAWM, MPKV, Rahuri	CAAST-CSAWM, MPKV, Rahuri
		2. Psychology of Learning	1-15 May, 2020	ICAR-NAARM, Hyderabad	ICAR-NAARM, Hyderabad
		3. New Educational Environment through Information Technology	15-21 July, 2020	Online	Dr. PDKV, Akola
		4. Information Handling Skills for Teaching, Learning & Research	1-21 March, 2021	Online	PJTSAU under ICAR-NAHEP Sub Project
5	Dr. Lad A.S.	1. Training programme on Resources of Libraries and Publication Ethics	20-24 April 2020	Online	CAAST CSAWM, MPKV, Rahuri
		2. Psychology of Learning	1-15 May, 2020	Online	ICAR-NAARM, Hyderabad
		3. Webinar on Use of Social Media	25 May 2020	Online	COA, Kanchanwadi,

Faculty and Staff Development

		Mobile apps in Agriculture Extension			Aurangabad
		4.Training programme on Current Trends and Ethical Aspects in Scientific Writing	27-31 May 2020	Online	MAFSU, Nagpur and CoVAS, Parbhani
		5.Training programme on Communication and Management Skills for Extension Professionals	21 Oct. 2020	Online	ICAR-NAARM, Hyderabad
		6.Training on Personality Development And Life Skills	03-05 March,2021	Online	NAHEP, VNMKV, Parbhani
2021-2022					
1	Dr. Kadam R.P.	1.Online Training on Sandalwood	09-11 April, 2021	Online	NAHEP-CAAST, AAU, Anand (Gujarat)
		2.National Webinar on Sustainable Strategies for Enhancing Productivity in Dryland Agriculture	29 June, 2021	Online	DOR, MPUAT, Udaipur, Rjasthan
		3.Emerging Technologies in Agricultural Engineering for Food Safety & Security	27 Aug., 2021	Online	NAHEP, Dr.NTR College of Agricultural Engineering, Bapatla
		4.Prospects and Functioning of Commodity Markets in India	17-18, Sept.2021	Online	NAHEP CAAST, AAU, Anand, Gujarat
		5.Advance Research Methodologies in Agricultural Extension	17-22, Feb.2022	Online	ANGRAU, Agriculture College, Bapatla
2	Dr. Deshmukh P.R.	1.Advance Hydroponics & polyhouse Automation	04-16 Oct.2021	VNMKV, Parbhani	NAHEP, VNMKV, Parbhani
		2. Advanced Research Methodologies in Agricultural Extension	17-22 Feb. 2022	Online	ANGRAU, Agricultural College, Bapatla
		3.International conference on Appropriate Technology for Rural Development	10-11 Mar.2022	Online	Dr. BAMU, Aurangabad, UGC-CPEPA

Faculty and Staff Development

3	Dr. Kapse P.S.	1.MOOC on Theoretical Foundations of Educational Technology	1-30 June, 2021	ICAR-NAARM, Hyderabad	ICAR-NAARM, Hyderabad
		2.MOOC on Digital Teaching Techniques	1-31 Dec., 2021	ICAR-NAARM, Hyderabad	ICAR-NAARM, Hyderabad
4	Dr. Lad A.S.	1.Achieving Sustainability in Crop Production Through Alimentation and Plant Protection	17-18 Nov., 2021	Latur	Dept.of Plant Pathology, COA, Latur and IPS, New Delhi
		2.National Workshop on Sustainable use of Agricultural Resources	11-13 Mar. 2022	Punjab	School of Agril. studies, Quantum university Roorkee and Just Agriculture- the Magazine, Punjab
		3.International Workshop on Advanced Digital Technologies in Agricultural Automation	14-16 Mar.,2022	NAHEP, Parbhani	NAHEP- CAAST, VNMKV, Parbhani
2022-2023					
1	Dr. Kadam R.P.	1.Innovations in Crop Improvement For National Food Security	04 June, 2022	Online	MPAUT, Udaipur, Rajasthan
		2.Awareness Program on Income Tax Act During Lockdown period of Pandemic COVID-19	21 June, 2022	Online	Shri Muktanand College, Aurangabad
2	Dr. Deshmukh P.R.	MOOC on Digital Assessment and Evaluation Methodologies	1-30 Sept.2022	Online	ICAR-NAARM
3	Dr. Kapse P.S.	1.Mobile Journalism (MOJO) for effective Transfer of Technology (ToT) for Extension Officers.	11-15 July, 2022	Online	MANAGE, Hyderabad
		2.Program on Agri-Journalism for Effective Documentation & Transfer of Technology	12-16 July, 2022	Online	MANAGE, Hyderabad
4	Dr.Lad A.S.	1.National Seminar on	22-24 April, 2022	Hyderabad	MANAGE, Hyderabad

Faculty and Staff Development

	Comprehensive Extension Strategies for Sustainable Development of Farmer Producer Organization FPOs: Challenges and Opportunities			and INSEE, Nagpur
	2. Webinar on Emerging Agricultural Marketing Trends And Challenges	29-30 April, 2022	Online	NAHEP, AAU, Gujrat
	3. National Conference on Agricultural Economic	5-6 May, 2022	Goa	Dr.BSKKV, Dapoli
	4 Digital Teaching Techniques	1-31 Dec., 2022	Online	NAARM, Hyderabad
	5. Climate Change & Abiotic Stresses Management Solutions for Enhancing Water Productivity, Production Quality and Doubling Farmers Income in Scarcity Zones	05-25 Jan., 2023	NIASM, Baramati	NIASM, Baramati

Department of Horticulture

Sr. No.	Name of the Participant	Title of National/International Seminars/Symposia/Workshops/ Training/Consultancy visits/Special assignments etc.	Duration with date	Place	Organizing Agency
2018-2023					
1	Dr. Lohakare, A.S.	1.Dynamics of Teaching- Learning.	01 – 30 Nov.2018	Hyderabad (India)	NAARM, Hyderabad
		2.Teaching Excellence.	01 – 30 Nov.2019	Hyderabad (India)	NAARM, Hyderabad
		3.22 nd National Conference of Maharashtra Society of Agricultural Economics.	21-22 Dec., 2019	Pabhani (MS)	Dept. of Agril. Economics, VNMKV, Pabhani.
		4. Digital farming practices by Agri-bots, Agri-drones and Agri-AGVs.	13.- 15 Mar.2020	Pabhani (MS)	NAHEP-CAAST, VNMKV, Parbhani.
		5.Training program on Recent Trends in Academic Writing.	20- 24 May, 2020	Pabhani (MS)	University Library and Dept. of Exten. Edu., VNMKV, Parbhani
		6.National webinar on Under-utilized Crops for Augmenting Farmers Income in Abiotic Stress Regions.	10Aug. 2020	Baramati, Pune	ICAR- NIASM, Baramati, Pune.
		7.International Webinar: Harnessing the potential of tropical tuber crops under changing climate.	27 Oct.2020	Kerala (India).	ICAR- CTCRI, Thiruvananthapuram, Kerala (India).
		8.Online certificate course on Food Processing and Automation .	02.- 14.Aug. 2021	Pabhani (MS)	NAHEP-CAAST, VNMKV, Parbhani.
		9. E-Course programme on Advance Hydroponics & Polyhouse Automation.	04.-16 Oct. 2021	Pabhani (MS)	NAHEP-CAAST, VNMKV, Parbhani.
		10.National Symposium (IPS-WZ, New Delhi).	17-18 Nov., 2021	Latur (MS)	VNMKV and IPS at COA, Latur.
		11.Workshop on Intellectual Property Rights (IPR) and Patents, Designs	29 Aug., 2022	Pabhani (MS)	NAHEP-CAAST, VNMKV, Parbhani.

Faculty and Staff Development

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2018-2023					
2	Dr. Barkule,S.R.	1.Training- Advances in Productin Technology and Post Harevest Managment in fuit Crops	14 Nov.-04 Dec. 2018	Rahuri	MPKV,Rahuri
		2.Conference on Rising farmers Income by 2022 and Socioeconomics Indicators for Agril Development	21-22 Dec 2019	Parbhani	Dept.of Agril.Economics VNMKV, Parbhani
		3.Workshop-International Digital farming practices by agri-bots, agri-drones & agri-agvs	13-15 March 2020	Parbhani	NAHEP-CAAST, VNMKV, Parbhani
2018-2023					
3	Dr. Baghele, R.D.	1.New Innovations in Improvement of Vegetable Crops	5-25 Sept, 2018	Nauni-Solan (HP)	Dr. YSPUHF, Solan
		2.International conference on Mango	8 -10 May 2018	Vengurla	Dr.BSKKV, Dapoli
		3.Breeding and Genomic tools for Stress Resistance in Vegetable crops	23 Oct. -12 Nov. 2019	New Delhi	IARI, New Delhi
		4.International Symposium on Edible Alliums Challenges & opportunities	09-12 Feb, 2019	Pune	DOGR, Rajgurunagar, Pune
		5.Global Okra Round Table GORT-2022	10-12 Oct-2022	New Delhi	IARI, New Delhi
		6.National Symposium on New Opportunities in Vegetable Production for Sustainable Development	20-22 Nov-2022	Varanasi	IIVR, Varanasi
2018-2023					
4	Dr. Kalalbandi, B.M.	1.Psychology of learning	1-15 May 2020	Online	NAARM, Hyderabad
		2.Teaching Excellence	1-30 Nov 2019	Online	NAARM, Hyderabad
		3.Employment generation among	20 July 2020	Online	IIT, Kanpur,

Faculty and Staff Development

		rural youths through agri entrepreneurship			BAU,Sabaour and CWL,Canada
2018-2023					
5	Dr. Bhagat, V.V.	1.Dynamics of Teaching- Learning.	01- 30 Nov.2018	Hyderabad (India)	ICAR- NAARM, Hyderabad-India
		2.Online certificate course on Food Processing and Automation .	02.-14 Aug. 2021	Pabhani (MS)	NAHEP, VNMKV, Parbhani.
		3.E-Course programme on Advance Hydroponics & Polyhouse Automation.	04 16 Oct. 2021	Pabhani (MS)	NAHEP, VNMKV, Parbhani.
		4.Digital farming practices by Agri-bots, Agri-drones and Agri-AGVs.	13-15 Mar.2020	Pabhani (MS)	NAHEP, VNMKV, Parbhani.
		5.Training Levels on Growth and yield of capsicum (<i>Capsicum annum L.</i>) Variety Indra under Polyhouse condition	10 -11 Feb.2018	Hyderabad,Telangana	Genetic Urban and Rural development Society
		6.Effect of different levels of fertilizers and its application on growth, yield, quality of strawberry under polyhouse	4 -7 Nov. 2021	Dubai UAE & Ashwamedh Group of Industries (MS), India	Collaboration with NEST academy of Mgt. education
		7.Effect of spacing and pinching on green yield of fenugreek (<i>trigonella foenum-graecum L.</i>) Phule kasturi	29 to 31 Oct., 2022	India	DBCA, AEDS, COH&F, CAUP (AP) STSES, DCU
		8.Effect of spacing and leaf cuttings on leaf and seed yield of spinach (<i>Beta vulgaris L.</i>) All green	17-18 Oct., 2021	Deharadun, Uttarakand, India	Global initiatives in agricultural, forestry and applied sciences
2018-2023					
6	Dr. Bhalearo, R.V.	Psychoogy of learning.	01.- 15 May 2020	Hyderabad (India)	NAARM,Hyderabad
		Designing E-learning Content.	01- 31 July 2020	Hyderabad (India)	NAARM,Hyderabad
		Theoretical Foundations of Educational Technology.	01- 30 June 2021	Hyderabad (India)	NAARM,Hyderabad
2018-2023					

Faculty and Staff Development

7	Dr. Khandare, V. S.	1.International conference on Mango	8 to 10 May 2018	Vengurla	Dr.BSKKV, Dapoli
		2.International Symposium on Edible Alliums Challenges & opportunities	09-12 Feb, 2019	Pune	DOGR, Rajgurunagar, Pune
		3.Global Okra Round Table GORT-2022	10-12 Oct-2022	New Delhi	IARI, New Delhi
		4.National Symposium on New Opportunities in Vegetable Production for Sustainable Development	20-22 Nov-2022	Varanasi	IIVR, Varanasi
2018 - 2023					
8	Dr. Shinde, V. N.	1.National Symposium- Effect of foliar application potassium forms, micronutrients and its combination on fruit growth and yield attributes of sweet orange (<i>Citrus sinensis</i> L Osbeck)	2019	Dr. BSKKV, Dapoli	Maharashtra Society of Agricultural Economics
		2.Post Harvest Management for Economic Security of Farmers in Arid	03- 12 Dec. 2019	CRIDA, Jodhpur	ICAR, New Delhi
		3.Training- Recent Advances & Instrumentation in Agricultural Meteorology	26 May - 02 June 2020	VNMKV, Parbhani	NAHEP, ICAR, New Delhi
		4.Online Training- Carbon Sequestration in Climate Smart Agriculture	11- 13 May 2020	MPKV, Rahuri	CAAST, NAHEP and MPKV, Rahuri
2018-2023					
9	Dr. Bhosale, A. M.	Innovation in Potato Improvement, Production and utilization of technologies for doubling Farmers income	18 Jan. to 07 Feb.2022	Shimala (HP)	ICAR-Central Potato Research Institute, Shimla
2018-2023					
10	Dr.Waghmare, G. M.	4th International Conference on Global Agriculture, Forestry, Environment and Food Security (GAFEF-2022) (Theme: Climate Change and Its Impact)	17-19 Sept., 2022	Institute of Forestry, Tribhuvan University, Pokhara Campus Pokhara, Nepal	AETDS, U.S. Nagar, Uttarakhand

Faculty and Staff Development

Department of Plant Pathology

Sr. No.	Name of the Participant	Title of National/International Seminars/Symposia/Workshops/ Training/Consultancy visits/Special assignments etc.	Duration with date	Place	Organizing Agency
Year 2018-19					
1	Dr. Gholve, V.M.	National Symposium on Current & emerging trends in plant health management	23-24 Aug. 2018	Goa	IPS (W Z), New Delhi and APP (Central India), PDKV, Akola
2	Dr. Dadke, M.S.	Training MOOC on Dynamics of Teaching-Learning	1-30 Nov. 2018	Online	ICAR-NAARM, Rajendra Nagar, Hyderabad.
3	Dr. Patil, M.G.	1. National Symposium on Current & emerging trends in plant health management	23-24 Aug. 2018	Goa	IPS (W Z), New Delhi and APP (Central India), PDKV, Akola
		2. International conference on Advances in Agriculture and Allied Science Technologies for Sustainable Development.	10-12 Feb, 2018	Hydrabad, Telangana	Hydrabad, Telangana
4	Dr. Ambadkar, C.V.	1. Symposium on Current & emerging trends in plant health management	23-24 Aug., 2018	Goa.	IPS (W Z), New Delhi and APP PDKV, Akola
		2. National Symposium on Enhancing farm income through sustainable plant health management	6 - 8 Nov., 2019	ICAR NEH region, Umiam, Meghalaya	IPS, New Delhi
Year 2019-20					
1	Dr. Gholve, V.M.	1.7 th International Conference Phytopathology in Achieving UN	16 - 20 Jan. 2020	IARI, New Delhi, India.	IPS, New Delhi

Faculty and Staff Development

		Sustainable Development Goals.			
		2.Training Programme on Organic Farming Disease Management in Organic Farming	21 Sep - 9 Oct. 2020	VNMKV,Parbhani	Organic Farming Scheme,VNMKV,P arbhani
2	Dr. Ambadkar, C.V.	7 th International Conference on Phytopathology in Achieving UN Sustainable Development Goals	16 – 20 Jan. 2020	IARI, New Delhi, India.	Indian Phytopathological Society, New Delhi
3	Dr. Dadke, M.S.	Invitation for Guest Lecture on Plant Protection: Need of Time	04 April, 2019	N.E.S. Science College, Nanded	Dept. of Botany, Microbiology & Biotechnology
4	Dr. Patil,M.G.	International Web Conference PAAS.	4-6 Oct, 2020	Meghalaya	BARI, Bangladesh & AETDS , CAU, Barapani, Meghalaya
2020-21					
1	Dadke, M.S.	National e-Symposium on Innovative Approaches in Plant Health Mgt.	28-30 Jan., 2021	Online	UHS, Bagalkot, Karnataka.
2	Dr. Gholve, V.M.	1.Training on Psychology of Learning	1-15 May, 2020	Online	ICAR-NAARM, Hyderabad
		2.Training on Designing E-learning content	1-31 July,2020	Online	ICAR-NAARM, Hyderabad
		3.Training on Recent Advances in Millet Research	10-31 Dec.2020	Online	ICAR-IIMR, Hyderabad
2021-22					
1	Dr. Gholve, V.M.	Achieving Sustainability in Crop Production Through Alimentation and Plant Protection	17 – 18 Nov., 2021	College of Agriculture, Latur.	IPS (West Zone)
2	Dr. Ambadkar, C.V.	Achieving Sustainability in Crop Production Through Alimentation and Plant Protection	17 – 18 Nov., 2021	College of Agriculture, Latur.	IPS (West Zone)

Faculty and Staff Development

3	Dr. Patil,M.G.	1.Achieving Sustainability in Crop Production Through Alimentation and Plant Protection	17 – 18 Nov., 2021	College of Agriculture, Latur.	IPS (West Zone)
		2.Soil Health and Climate Resilience: Need for Sustainable Agriculture 2021.		Dapoli	Dapoli Chapter of Indian Society of Soil Science
2022-23					
1	Dr. Gholve, V.M.	IPS Platinum Jubilee Conference held at University of Mysore, Mysuru, Karnataka, India during	2-4 Feb., 2023.	Mysuru, Karnataka,	Indian Phytopathological Society, New Delhi
2	Dr. Patil,M.G.	International Conference on Vegetable Oils 2023 (ICVO 2023) on Research, Trade, Value Chain and Policy	17-21 Jan., 2023	Hyderabad	Hyderabad

Department of Soil Science

Sr. No.	Name of the Participant	Title of National / International Seminars/Symposia/Workshops/ Training/Consultancy visits/Special assignments etc.	Duration with date	Place	Organizing Agency
2018 - 2019					
1	Dr. Ismail Syed	Fostering soils to meet emerging challenges in Agriculture	30-31 st Oct., 2018	Rahuri	RCISSS, MPKV, Rahuri
2	Dr. Vaidya, P. H.	1.Soil Water Plant Nutritions 2018	02 - 03 Nov.,2018	Nagpur	CoA, Nagpur
		2.Forecasting Soils to Meet Emerging Challenges in Agriculture.	30-31 Oct., 2018	Rahuri	MPKV, Rahuri
		3.Conservation of Natural Resources	15- 17 Oct. 2018	Pune	YASDA , Pune
		4.Climate Smart Agriculture and Soil	29 -30 Mar. 2018	Dhanbad	University of Nebraska Lincon
3.	Dr. Dhamak,	Fostering soils to meet emerging	30-31 Oct.,2018	Rahuri	MPKV, Rahuri

Faculty and Staff Development

	A. L.	challenges in Agriculture			
4	Dr. Deshmukh, M. S.	1.Fostering soils to meet emerging challenges in agriculture	30-31 Oct., 2018	Rahuri	MPKV, Rahuri
		2.Frontier technologies for climate resilient agriculture	17-18 Feb., 2020	Akola	Dr. PDKV, Akola
5	Dr. Waikar,S. L.	1.State Level RCISSS Seminar 2018 on Fostering Soils to Meet Emerging Challenges in Agriculture	30-31 Oct., 2018	MPKV, Rahuri.	RCISSS,MPKV, Rahuri
		2.Orientation workshop on NICE for content Creators and Content Manger	7 -18 April,2018	MANAGE Hyderabad	MANAGE, Hyderabad
		3.Online Resource Management in Rainfed Drylands	8 Mar. - 04 May, 2019	IIT Kanpur	Commonwealth of learning ,IIT, Kanpur
6	Dr. Gajbhiye B. R.	1. Boosting Production Potential under Stressed Environment	28 Sept. 2018 – 01 Oct.2018	Dapoli	Dr. BSCKV, Dapoli
		2.Fostering soils to meet emerging challenges in agriculture	30-31 Oct., 2018	Rahuri	MPKV, Rahuri
		3.Whiter Indian Agriculture?: Issues and Challenges in Marathwada	27-28 Feb., 2019	Nanded	SRTMU, Nanded
7	Dr. Gaurkhede, P. H.	1.Fostering soils to meet emerging challenges in agriculture	30-31 Oct., 2018	Rahuri	MPKV, Rahuri
		2.Whiter Indian Agriculture?: Issues and Challenges in Marathwada	27-28 Feb., 2019	Nanded	SRTMU, Nanded
		3.Software s.i.e.,Terr Set, WMS 10.1, Surfer 15 and Global Mapper 19	4-16 June 2018	VNMKV, Parbhani, Maharashtra,India	VNMKV, Parbhani
		4.Resource Management in RainfedDrylands	25 Mar - 6 May 2019	IIT, Kanpur, Uttar Pradesh India	IIT Kanpur Uttar Pradesh, India
8	Dr. Zade, S. P.	Fostering Soils to Meet Emerging Challenges in Agriculture	30-31 Oct. 2018	Rahuri	MPKV, Rahuri
2019 - 2020					

Faculty and Staff Development

1	Dr. Ismail Syed	1.Rising farmers income by 2022 and socio-economic indicators for agricultural development	21-22 Dec., 2019	Parbhani	Dept. of Agril. Econ.,VNMKV, Parbhani
		2.Developments in Soil Science	15-18 Nov., 2019	Varansi	BHU, Varanasi.
		3.Natural Resource Management for Sustainable Agriculture, Soil Health and Quality Food	15-17 Sept.2019	Nagpur	Dr. PDKV Akola
		4.Frontier technologies for climate resilient agriculture	17-18 Feb., 2020	Akola	Dr. PDKV, Akola
2	Dr. Vaidya, P. H.	1.Maharashtra Society of Agricultural Economics	11-22 Dec. 2019	Parbhani	Dept. of Agril Econ. VNMKV, Parbhani
		2.Development of Soil -2019 ISSS, New Delhi	15-18 Nov., 2019	Varanasi	BHU, Varanasi
		3.Frontier Technologies for Climate Resilient Agriculture	17-18 Feb., 2020	Akola	Dr. PDKV, Akola.
		4.Application of Remote Sensing and Geographical Information System in Agriculture Development	10 to 14 Feb., 2020	Hydrabad	MANAGE, Hyderabad
		5.Digital Farming Practices by Agri-bots, Agri- drones and AGVs	13-15 Mar. 2020	Parbhani	NAHEP, VNMKV, Parbhani
3	Dr. Dhamak, A. L.	Frontier technologies for climate resilient Agriculture	17-18, Feb.,2020	Akola	Dr.PDKV, Akola
4	Dr. Deshmukh, M. S.	Frontier technologies for climate resilient agriculture	17-18 Feb., 2020	Akola	Dr. PDKV, Akola
5	Dr. Waikar,S. L.	1 National conference of Maharashtra Society of Agricultural Economics	21-22 Dec, 2019	VNMKV, Parbhani	Dept. of Agril. Econ.VNMKV, Parbhani
		2 State Level Seminar on Frontier Technologies for Climate Resilient	17-18 Feb., 2020	Dr. PDKV, Akola	ACISSS, Akola

Faculty and Staff Development

		Agriculture			
		3 Resource Management in rainfed Dry Land	02 April- 06 May 2020	IIT Kanpur	Online Training by AgMOOS
		4 Online Training Programme on Conservation agriculture-based sustainable Intensification	26 Feb 31.Mar 2020	IIT Kanpur & Commonwealth	Commonwealth of learning ,IIT, Kanpur
6	Dr. Gajbhiye R B	1.Rising farmers income by 2022 and socio-economic indicators for agricultural development	21-22 Dec., 2019	Parbhani	Dept. of Agril. Econ.,VNMKV, Parbhani
		2. Frontier technologies for climate resilient agriculture	17-18 Feb. 2020	Akola	Dr. PDKV, Akola
		3.Land resources management for climate smart agriculture	03-23-Sept2019	Nagpur	ICAR- NBSSLUP, Nagpur (M. S.)
		e-Extension	15 Oct -21Nov.2019	Online	IIT Kanpur
7	Dr. Gaurkhede, P. H.	1.Rising farmers income by 2022 and socio-economic indicators for agricultural development	21-22 Dec, 2019	Parbhani	Department of Agril. Economics, VNMKV, Parbhani
		2.Frontier technologies for climate resilient agriculture	17-18 Feb., 2020	Akola	Dr. PDKV, Akola
		3.Resource Management in RainfedDrylands	25 Mar - 6 May 2019 (5 week)	Indian Institute of Technology, Kanpur,	IIT, Kanpur Uttar Pradesh, India
		4.Employment Generation among rural youth through Agri. entrepreneurship	30 July 2019 (3 week)	Indian Institute of Technology, Kanpur	IIT, Kanpur Uttar Pradesh, India
		5.Detection, Diseases and management of plant diseases	3 Dec 2019 (Six-week)	Indian Institute of Technology, Kanpur,	IIT, Kanpur, Uttar Pradesh, India
		6.Digital Farming Practices by Agri-bots, Agri-drones and AgriAGVs	13.- 15 Mar. 2020	NAHEP, CAAST, VNMKV, Parbhani,	NAHEP,VNMKV Parbhani
8	Dr. Zade, S.P.	1.Global Research Initiatives for Sustainable Agriculture & Allied	20-22 Oct. 2019	Hyderabad	NARM, Hyderabad,

Faculty and Staff Development

		Sciences			
		2.Frontier Technologies for Climate Resilient Agriculture	17-18 Feb., 2020	Akola	Dr. PDKV, Akola
		3.Land Resources Management For Climate Smart Agriculture	02 -23 Sep 2019	Nagpur	ICAR-NBSSULP, Nagpur
2020 - 2021					
1	Dr. Vaidya, P. H.	1.Personality Development, Effective Communication Skill Stress	14-18 April 2020	Rahuri	NAHEP, MPKV, Rahuri
		2.Conservation Agriculture Based Crop Management Technologies in Climate Smart Agriculture	18-22 May 2020	Rahuri	NAHEP, MPKV, Rahuri
		3.Climate Sequestration in Climate Smart Agriculture	11-13 May 2020	Rahuri	NAHEP, MPKV, Rahuri
		4.GIS and Remote sensing Application	20-25 Jan 2021	Parbhani	NAHEP, VNMKV,
2	Dr. Waikar,S. L.	1.Online training programme on Carbon Sequestration in climate Smart Agriculture	11-13 May,2020	CAAST, CSAWM, MPKV, Rahuri 11	Online NAHEP
		2.Programme on Conservation Agriculture based crop management in climate Smart Agriculture	18-22 May,2020	CAAST, CSAWM, MPKV, Rahuri	Online NAHEP
3	Dr. Gajbhiye B.R.	1.Approaches towards development of rural and agriculture sector in the present scenario	8-9 May, 2020	Tikamgarh	JNKVV, CoA, Tikamgarh
		2.Soil health management for sustainable crop productivity	7-8 Sep., 2020	Bhagalpur, Bihar	Bihar Agricultural University, Bihar
		3.Soil spectroscopy: an emerging technique for rapid soil health assessment	01 October, 2020	Nairobi	ICAR-IISS, Bhopal and World Agroforestry, Nairobi

Faculty and Staff Development

		4.Application of remote sensing and GIS in digital agriculture	4-8, June 2020	Parbhani	NAHEP, VNMKV, Parbnani
		5.Conservation agriculture based crop management technologies in climate smart agriculture	18-22 May 2020	Rahuri	NAHEP, MPKV,Rahuri
		6.Organic Farming : Field to Fashion	14-19, Dec.2020	Akola	Dr. PDKV, Akola
		7.Organic forming	21.Sept- 09 Oct 2020	Parbhani	VNMKV, Parbhani
		8.Innovative approaches towards managing soil health for climate smart agriculture	05 Sept- 05Dec 2020	Parbhani	PCISSS, Dept. of SSAC, VNMKV, Parbhani
		9.Resource Management and Biodiversity Conservation to Achieve Sustainable Development Goals	11-12, Sept 2020	Online	ANRCM, Lucknow
		10.Doubling Farmers Income for Sustainable & Harmonious Agriculture, DISHA-2021	13 – 14 Mar, 2021	Online	Dhanbad, Jharkhand
4	Dr. Chikshe, S. V.	1.Employment Generation among Rural Youth Through Agri preneurship	14 June 2020 (Six week)	Online	AgMOOCS
		2.Diagnosis of Crop and Stored Grain Pests and their Management	31 March 2020 (Six week)	Online	AgMOOCS
		3.Conservation Agriculture-based Sustainable Intensification	31 March 2020 (Six week)	Online	AgMOOCS
		4.Fundamentals of Agricultural Extension	30 June 2020 (Eight-week)	Online	AgMOOCS
		5.Integrated Pest Management	30 June 2020 (Eight-week)	Online	AgMOOCS

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		6.Personality Development, Effective Communication Skills and Stress Management	14-18 April,2020.	Online	CAAST M.K.V.Rahuri
		7.Innovative Approaches Towards Managing Soil Health for Climate - Smart Agriculture	Online Lecture Series-2020 05-09-2020 to 05-12-2020.	Online	PCISSS VNMKV Parbhani
		8.Soil Spectroscopy An Emerging Technique for rapid soil Health Assessment	Internatoinal Webinar on 01 October 2020	Online	ICAR ISSS Nabibag Bhopal
2021 - 2022					
1	Dr. Vaidya, P. H.	1. 3 rd International Conference on Food and Agriculture and Innovations	24- 26 Dec.2021	Dhanbad	Holyday Home Ranchi, Jharkhand
		2. Soil Health and Climate Resilience: Need for Sustainable Agriculture	15-16 Dec., 2021	Dapoli	DCISSS, Dr. BSKKV, Dapoli
		3. Development in Soil Science 2021	16-19 Nov, 2021	Shriniketan	KCISSS , Visva- Bharati, Sriniketan
		4. Effective e Content Development of Education in Agriculture	21-22 Nov, 2022	Parbhani	NAHEP, VNMKV,
2	Dr. Dhamak, A. L.	Soil health and climate resilience: Need for sustainable Agriculture	15-16, Dec.,2021	Dapoli	DCISSS, Dr.BSKKV, Dapoli
3	Dr. Gajbhiye Bhagyaresha R.	1.Achieving sustainability in crop production through alimentation and plant protection	17-18 Nov., 2021	Latur	Department of Plant Pathology, CoA, Latur
		2.Global initiative in agricultural, forestry and applied sciences for food security, environmental safety and sustainable development	17-18 Oct., 2021	Dehradun, Uttarakhand	SGRRU, Dehradun, Uttarakhand
		3.Soil health and climate resilience: need for sustainable agriculture	15-16 Dec., 2021	Dapoli	Dr, BSKKV, Dapoli
		4.Agriculture, horticulture and food sciences	29-30 Dec., 2021	New Delhi	The Society of Tropical Agriculture,

Faculty and Staff Development

					New Delhi
		5.Advanced digital technologies in agricultural automation	14-16 Mar., 2022	Parbhani	NAHEP-CAAST- Centre of excellence, VNMKV, Parbhani
		6.Theoretical foundation of educational technology	1-30 June 2021	Online	ICAR- National Academy of Agricultural Research Mgt., Hyderabad
		7.Soil management for climate smart agriculture	14 June – 04 July 2021	Online	Centre for Advance Agricultural Science and Technology for Climate Smart Agriculture and Water Mgt., Rahuri
		8.Digital Teaching Techniques	1-31 Dec., 2021	Online	ICAR- National Academy of Agricultural Research Mgt, Hyderabad
4	Dr. Gaurkhede Papita H.	1.Climate Resilient Agriculture for Food and Health Security	1 Days 16,04,2021	MPU of Agriculture &Technology, Udaipur IDP-NAHEP	Udaipur IDP- NAHEP
		2.Environmental Ethics & Ecological Restoration: Issues and Strategies	1 Day 05.06.2021	MPU of Agriculture & Technology, Udaipur	Directorate of Research, MPUA&T, Udaipur
		3.Soil Management for Climate smart agriculture	21 Days 14.06.2021 – 04.07.2021	CASST, CSAWM, MPKV , Rahuri	CAAST & CSAWM Rahuri
5	Dr. Zade, Swati P.	1.Soil Health and Climate Resilience: Need for Sustainable	15-16 Dec. 2021	Dapoli	DBSKKV, Dapoli

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		Agriculture			
		2.Managing Soils in a Changing Climate	March 24-26, 2022	Nagpur	ISSLUP, Nagpur
		3.Advances in Integrated Watershed Management for Rural Livelihood	28 Dec., 2020 – 8 Jan., 2021	Online	ICAR-IISWC, RC, Udhagamandalam, Tamil Nadu
		4.Soil Management for Climate Smart Agriculture	14 June -04 July, 2021	Online	CAAST, CSAWM, MPKV, Rahuri
6	Dr. Chikshe, S. V.	Training on Sandalwood	09-11 April 2021	Online	NAHEP-CAAST AAU Anand

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College of Agriculture, Badnapur

2018 - 2019					
Sr. No	Name of participant	Title of National /International/ Seminars/Symposia/Workshop/Training/consultancy/visits/special Assignment	Duration with Date	Place	Organizing Agency
1	Dr.Andhare B.C.	1. Sustainable Agriculture for Food Security and Better Environment	24 Mar. 2018	BHU, Varanasi Uttar Pradesh	BHU, Varanasi Uttar Pradesh
		2. Role of Oils and Fats in Human Diet and Industry	16 Oct. 2018	DR. BAMU, Aurangabad	DR. BAMU, Aurangabad
		3. Functional foods: Concept, Technology and Health Benefits from Common Wealth of learning	19 Dec. 2018 (four week)	agMOOCs	agMOOCs
		4. Workshop on personality development programme for faculty on Soft skills for Personality Development	20-22Feb,2019	College of Agriculture, Badnapur,	ICAR,New Delhi and VNMKV, Parbhani
2019-2020					
1	Dr.Andhare, B.C.	1. Resource Management in Rainfed Drylands from Common Wealth of learning	Five weeks	ONLINE	agMOOCs
		2. Fundamental of Agricultural Extension from Common Wealth of learning.	Eight weeks	ONLINE	agMOOCs
		3. National seminar on Contemporary trends in Dairy and Food Processing	9 Nov.r 2019	College of Dairy Technology, Udgir	CoDT, Udgir
		4. Short course on Doubling the Farmers Income Through Integrated Farming system for Livelihood	18-27 Nov.,2019	AICRP for Dry land Agriculture, VNMKV, Parbhani.	AICRP for Dry land Agriculture, VNMKV,

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		Security			Parbhani.
		5. Online course e-Extension from Common Wealth of learning.	six weeks	ONLINE	agMOOCs
2020 - 2021					
1	Dr. Andhar, B.C.	1. National webinar on Use of e-content in teaching literature	29 th July-2020	Anandrao Dhonde alias Babji Mahavidyalaya kada Beed	AD. alias Babji Mahavidyalaya kada Beed
		2. Webinar on Challenges for food and dairy industry in the aftermath of covid-19 pandemic	25 July 2020	College of Agriculture, Ashti Beed	CoA, Ashti Beed
		3. Webinar on Stress Management and performance enhancement	29 Aug. 2020	OPJGU, Sonipat.	OPJGU, Sonipat.
		4. Webinar on Role of teachers in transforming society insights and policy implications	05 Sept.2020	OPJGU, Sonipat.	OPJGU, Sonipat.
2021 - 2022					
1	Dr. Andhar, B.C.	1. National seminar on Advances in sustainable Management of Natural Resources for Food and Nutritional Security during August	26-27,2021	National Agricultural Higher	
		2. Promoting Women Agripreneurship through Crop-Livestock-Fisheries Technologies during	14- 18 Sept., 2021.	ONLINE	ICAR-CIWA, Bhubaneshawar
		3. Management of Infertility in Cattle from Common Wealth of learning	15 Oct. 2021 (Six weeks)	ONLINE	agMOOCs
		4. Virtual lecture on Achieving Food and nutrition Security Through Sustainable Technologies.	16 Oct. 2021	JNKVV Jabalpur MP	JNKVV Jabalpur MP
		5. Online trainging programme on	15Feb 31 Mar.2022	ONLINE	VNMKV,

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		organic farming			Parbhani.
2022 -2023					
1	Dr.Andhare, B.C.	1. Six weeks online course Statistical Techniques for Agriculturist from Common Wealth of learning.	26 July 2022. (Six weeks)	agMOOCs	agMOOCs
		2. 21 days training progamme on Role of Science & Technology in sustainable Agriculture, Horticulture, Animal Husbandry and Allied Sectors: Retrospective and prospective.	9 - 29 Nov., 2022	ONLINE	ICAR,New Delhi.
		3. Laboratory Animal Management and Breeding	10- 16 Jan. 2023.	ONLINE	CoVAS, MAFSU, Parbhani
2018-2019					
1	Dr. Kamble, B. G	1. International Training On Emerging Urban Farming Technology For Vegetable Production	7- 15 Sept. 2020	Online	ISPP, New Delhi
		2. International training climate smart agriculture and entrepreneurship development	16 May 2020	Jalna	RMT RMAC Jalgaon
		3. Advance and Feature Outlook In Biotechnology and Crop Improvement For Sustainable Productivity Bagalkot	24 - 27 Nov. 2020	Bagalkot	University of Horticulture Bagalkot
		4. International E-Conference Theoretical Foundation of Educational Technology.	30 June 2021	Online	Massive open Online course ICAR New Delhi
2019 - 2020					
1.	Deshmukh, N. D.	1. Resource Management in Rainfed Drylands	25 Mar- 6 May 2019	Online at agMOOCs	UAS Bengaluru, IIT, Kanpur and Commonwealth of Learning,

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		2. Training: Application of ICT in Agricultural Extension & Marketing Linkage	16July-5Aug. 2019	BAU, Sabour	Canada BAU, Sabour
		3. 22 nd national conference organized by Maharashtra Society of Agricultural Economics	21.-22 Dec.2019	Dept. Agril. Economics, VNMKV, Parbhani	MSA Economics
2021-2022					
1	Deshmukh, N. D.	National symposium on Achieving Sustainability in Crop Production through Alimentation and Plant Protection	17 to 18 Nov.2021	COA, Latur	IPS New Delhi
2018 - 2019					
1	Patil, B. V.	International Conference on Advances in Agriculture and Allied science Technologies for Sustainable Development	10-11 Feb, 2018	Hyderabad	PGRRCDE, OU, Hyderabad,
2019 - 2020					
1	Patil, B. V.	1. Resource Management in Rainfed Drylands	6 May 2019	Online	agMOOCs
		2. Fundamentals of Agricultural Extension	28 May 2019	Online	agMOOCs
		3. Conservation Agriculture Based Sustainable Intensification	31 Mar.2020 Six weeks	Online	agMOOCs
		4. Diagnosis of crop and stored grain pests and their management	31 Mar. 2020 Six weeks	Online	agMOOCs
2020 - 2021					
1	Patil, B. V.	Integrated Pest Management	30 June 2020	Online	agMOOCs
2021-2022					
1	Patil, B. V.	1.21 Days Advances in crop Micrometeorology	26 Sept - 16 Oct, 2018	COA, Pune MPKV,Rahuri	ICAR, New Delhi
		2.30 Days Designing E – Learning content	1-31 July 2020	NAARM, Hyderabad	ICAR New Delhi
		3.Conservation Agriculture – Based Sustainable intenification	15 Feb -31 Mar., 2020	IIT, Kanpur	BAU, Sabour & Commonwealth

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					of learning Canada
2018 - 2019					
1.	Dr. Pawar, S. B	1. ISPP West Zonal Seminar On Emerging Trends In Plant Physiology For Crop Production Under Climate Change Scenario	4 Aug.2018	M.P.K.V Rahuri	M.P.K.V Rahuri & Ispp, New Delhi
		2. International Conference On Global Research Initiatives For Sustainable Agriculture And Allied Science Held	28-30 Oct 2018	RARI Durgapura Jaipur	Astha Foundation , Meerut (U.P)
2019 - 2020					
1.	Dr. Pawar, S. B	1. International web Conference on Global Research Initiatives for Sustainable Agriculture & Allied Sciences participated in the International web Conference	28-30 Dec. 2020	Web Conference	Astha foundation , Meerut
		2. International Online Training On Recent Physio-Molecular Digital Tools In Abiotic Stress Management For Crop Modeling	29 June-3 July 2020	Online Training	NAHEP VNMKV
		3. Training Programme On Personality Development For Faculty	23-25 Jan.2020	CoA Badnapur	CoA Badnapur
2020 - 2021					
1.	Dr. Pawar, S. B	1. International Web Conference On Global Research Initiatives For Sustainable Agriculture & Allied Sciences Participated In The International Web Conference	13-15 Dec. 2021	Online	Astha foundation Meerut
		2. Innovative and current advances in agriculture & allied sciences certificate of participation icaaas 2021 participated /presented a paper (oral/poster) entitled studies on shooting behavior of strawberry cv. winter star with different concentrations of plant growth regulators	19 -21 July 2021	Online	Astha foundation collaboration with MPKV Rahuri
2021 - 2022					
1.	Dr. Pawar, S. B	1. International Conference On Innovative And Current Advances In Agriculture And Allied Sciences	12-14 June 2022	Online	SSDAT Meerut U.P

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		2. International conference on global research initiatives for sustainable agriculture and allied sciences participated online mode	21-23 Nov. 2022	Online	Astha foundation U.P,
		3. 21 Days Online Refresher Course On Agricultural Research Methodologies Practices and Agriculture Extension Management	14 Mar - 6 Apr. 2022	Online	Dr. Ram avatar shiksha samiti & KVK –Aizal, CAU (Imphal)
2018-2023					
1	Dr. Jadhav, K. T.	1. Third International Weed conference on weed problems and management challenges-future perspectives trainings	20-23 Dec, 2022	Gujarat	AAU, Anand, Gujrat, India
		2. Statistical techniques for Agriculturalists	26 July, 2022	Kanpur	IIT, Kanpur
2018 - 2019					
1	Dr. Mane, S. S.	1. Advances in Soil, Water and Plant Nutrition Research	2-3 Nov., 2018.	Dr. PDKV; Akola	Dept. of SSAC; Dr. PDKV; Akola & IPNI,USA
		2. Fostering soils to meet emerging challenges in Agriculture,	30-31 Oct. 2018	MPKV, Rahuri	RCISSS, MPKV,Rahuri
2019 - 2020					
1	Dr. Mane, S. S.	1.Five weeks Online course Resource Management in RainfedDrylands from Common Wealth of learning (agMOOCs) on 6 th May 2019.	Five weeks	ONLINE	agMOOCs)
		2.Recent advances in soil carbon sequestration and stabilization for health improvement and climate change mitigation.	10-19Dec.2019.	ICAR-IISS NabiBagh, Bhopal.	ICAR-IISS NabiBagh, Bhopal.
2020 - 2021					
1	Dr. Mane, S. S.	1. Conservation Agriculture Based Sustainable Intensification.	6 week (2020)	agMOOCs,	Sabour, IIT Kanpur , Commonwealth

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					of Learning, Canada.
		2. Diagnosis of Crop and Stored Grain Pests and Their Management.	6 Week (2020)	agMOOCs,	UAS-Raichur, IIT Kanpur
		3. Attended Soil Science Lecture series	05 Sept.- 05 Dec. 2020	ONLINE	Dept.of SSAC; VNMKV, Parbhani
		4. Psychology of Learning	15 days (2020)	NAARM, Hyderabad	NAARM, Hyderabad
2021 - 2022					
1	Dr. Mane, S. S.	1. Advances in Sustainable Management of Natural Resources For Food and Nutritional Security	26-27 Aug, 2021	Navsari (Gujrat)	Dept. of SSAC, Agro, NAU, Navsari
		2. Achieving Sustainability in Crop Production Through Alimentation and Plant Protection	17-18 Nov., 2021.	Dept. Of Plant Pathology; COA, Latur	COA, Latur and Parbhani; VNMKV; Parbhani
2	Dr. Suradkar, A.L.	1. International conference on advances in agriculture and allied science technologies for sustainable development	10-11 Feb.2018	Hydrabad	CRIDA, Hydrabad
		2. Integrated Pest Management	10 Dec. 2018 (Eight-week)	Online	AgMOOCS Indian Institute of Kanpur, USA, Banglore
		1. Resourse Management in Rainfed Drylands	6 May 2019 (Five-week)	AgMOOCS	Indian Institute of Kanpur, USA, Banglore
		2. Fundamentals of Agricultural Extension	28 May 2019 (Eight-week)	AgMOOCS	IIT Kanpur, BHU, Varnasi
		3. Detection , Diagnosis and Management of Plant Diseases	3 Dec. 2019 (Six-week)	AgMOOCS	Indian Institute of Kanpur,

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					BHU, Varnasi
		4. E-Extension	3 Dec. 2019 (Six-week)	AgMOOCS	IIT Kanpur, BHU, Varnasi
		5. Design Thinking for Agricultural Implements	17 Dec. 2019 (Eight-week)	AgMOOCS	II Kanpur, Kanpur
		6. Diagnosis of Crop and Stored Grain Pests and their Management	31 March 2020 (Six-week)	AgMOOCS	II Kanpur, USA,Raichur,

Sr. No.	Name of participant	Title of National /International Seminars /Symposia/ workshop/ training /consultancy visits /special assignment etc.	Duration with date	Place	Organizing Agency
2018 - 2019					
1.	Dr. Pawar, S.V.	1. Workshop on Safflower- Linseed Research	14 -16 Oct.18	Zarkhand	Indian Institute of Oil Seed Reserch,Hydrabad
		2. The 21 days training on Plant disease monitoring for timely management options	04- 25 Dec, 2019	New Delhi,	ICAR-IARI, New Delhi
2019 - 2020					
1	Dr. Pawar, S.V.	To attend Annual Group Meeting of Safflower 2019	04-06 Sept.19	Kanpur	Indian Institute of Oil Seed Reserch, Hydrabad
2020 - 2021					
1	Dr. Pawar, S.V.	1. Workshop on Safflower- Linseed Research	24 – 26 Oct. 20	Online mode	Indian Institute of Oil Seed Reserch, Hydrabad

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		2. National Symposium on Achieving Sustainability in Crop Production Through alimentation and Plant Protection	17- 18 Nov. 2021	College of Agriculture ,Latur	IPS, New Delhi and VNMKV Parbhani
		3. International Conference on Vegetable Research and Innovations for Nutrition, Entrepreneurship and Environment (ICVEG-21)	14-16 Dec21	ICAR-IIVR, Varansi	ISVS (Indian Society of) and ICAR-IIVR
2021- 2022					
1	Dr. Pawar, S.V.	Talk on Doordarahan Kharip Pikatil Ekatmik vavesthapn	23.06.22	Mumabai	Mumbai Doordarshan
2022 - 2023					
1.	Dr. Pawar, S.V.	National Conference (Platinum Jubilee) of Indian Phytopathological Society on Plant and Soil Health Management: issues & innovations,	2 - 4Feb 2023	Maysoore	IPS, New Delhi

Sr. No.	Name of participatnt	Title of National /Inernational Seminars/Symposia/workshop/training/consultanc y visits/special assignment etc.	Duration with date	Place	Organizing Agency
1.	Chaudhari, A.A	1.Existence and Uniqueness Results for Solution of NOnlinear Fractional Differential Equation with condition of Multipoint Integral Type	16-18 Jan. 2020	NCRAS-2020	NCRAS-2020
		2.Existence Result for Solution of Caputo NOnlinear Fractional Differential Equation with Boundary Value Condition of Integral Type	13 Feb. 2020	NCRAS-2020	NCRAS-2020
		3.Positive solutions for a Psi –Caputo Fractional Differential Equations Using Lower and Upper Solutions	July 27-29, 2020	International e-Conference on non linear Analysis and its Applications	International e-Conference on nonlinear Analysis & its Applications

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	4.Upper and Lower Solutions Method for Positive Solution of Hilfer Fractional Differential Equation	21-22 Dec. 2021	International e-Conference onFIAM-2021	International e-Conference onFIAM-2021
	5.National Workshop on Differential Equations & Dynamical Systems	01-03 Feb, 2020	Savitribai Phule Pune University.	Savitribai Phule Pune University.
	6.National Level Workshop on LaTeX for Beginners	22-23 June 2020	Pimpri Chinchwad CoE, Pune.	Pimpri Chinchwad CoE, Pune.
	7.International Webinar series on Advances in Mathematics	22-27 July 2020	TISS Tuljapur.	TISS Tuljapur.
	8.National Webinar on Advances in Mathematics	24-26 July 2020	Shrikrishna Mahavidyalaya, Gunjoti, Tq. OMerga, Dist. Osmanabad.	Shrikrishna Mahavidyalaya, Gunjoti, Tq. OMerga, Dist. Osmanabad.
	9.Best Practices of ICT Tools in Teaching and Learning	03-08 Aug. 2020	JRDU Chitrakoot,	JRDU Chitrakoot,
	10.Research Methodology and Tools of Data Analysis	16-23 Aug. 2020	JRDU Chitrakoot,	JRDU Chitrakoot,
	11.Employment Generation among Rural Youth through Agripreneurship	30 July 2019	agMOOCs	
	12.Python 3.4.3 Training	Jan 2020 semester	SRM Institute of Science and Technology, Chennai.	SRM Institute of Science and Technology, Chennai.
	13.LaTeX Training	Jan 2020 semester	Sinhgad College of Engg.,Solapur	Sinhgad College of Engg., Solapur
	14.Conservation Agriculture-based Sustainable	31 March 2020	agMOOCs	agMOOCs

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	Intensification			
	15.Diagnosis of Crop and Stored Grain Pests and their Management	31 March 2020	agMOOCs Six Week Online Course	
	16.One Week FDP on LaTeX	25 April to 1 May 2020	N. B. Navale Sinhgad College of Engineering, Solapur	ICT, MHRD, Govt. of India
	17.One week Online training programme on Recent Trends in Academic Writing	20-24 May 2020	VNMKV, Parbhani	VNMKV, Parbhani
	18.One Week FDP on Python 3.4.3	20-29 May 2020	SRM Institute of Science and Technology, Chennai,	SRM Institute of Science & Technology, Chennai
	19.Integrated Pest Management	30 June 2020 Eight Week	agMOOCs	
	20.Fundamentals of Agricultural Extension	30 June 2020 Eight Week	agMOOCs	
	21. FDP on Mathematics: A Practical Approach in Science and Technology	28 June to 03 July 2020	Deogiri Institute of Engineering and Management Studies, Aurangabad.	
	22.One week Pedagogical training for Teachers on Tools for Online teaching Learning and Evaluation	01-06 July 2020	SRT University, Nanded.	

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	23. One week Online International FDP on Advanced Materials & Mathematical Tools	10-14 July 2020	Govindrao Wanjari CoET, Nagpur.	
	24. Five days expert training programme on To prepare documentation more effectively	10-15 July 2020	Dr, C. V. Raman University, Kargi Road, Kota, Bilaspur(C.G.) India.	
	25. Five days Online PDP on Role of Mathematics in Academic Research and Technology	13-17 July 2020	VEMANA Institute of Technology, Koramangala, Bengaluru.	
	26. FDP on Enhancing Knowledge on Research Methodology, Online Teaching and Financial Management Techniques	17-18 July 2020	The Quaid Milleth CoM Medavakkam, Chennai.	
	27. Training program on Applications of Mathematical Sciences	13-18 July 2020	K.D.K. CoE Nandanvan, Nagpur.	
	28. FDP on Mathematical Modelling & Numerical Techniques	27-37 July 2020	Kakatiya Institute of Technology and Science, Warangal,	
	29. Indian Agricultural Education System and Entrepreneurship Scope in 21 st Century	05-14 Aug. 2020	NHEP Dr. PDKV, Akola.	NHEP Dr. PDKV, Akola
	30. One week Online short term training programme	02-06 Sept. 2020	Govt. College	Govt. College of

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	on Linear Algebra and Statistics for Engineers and Statistics(LA & SES-2020)		of Engg., Aurangabad.	Engg., Aurangabad.
	31.Statistical Techniques for Agriculturists	26 July 2022	Ag MOOCs	Ag MOOCs

College of Agriculture, Osmanabad

2018 - 2019					
Sr. No.	Name of the participant	Title of National/ International seminar/ symposia/workshop/training/ consultancy visits / special assignments	Duration with date	Place	Organizing Agency
1	Dr.Badgire,B.B.	1.Short term training on Agribusiness planning & Project Appraisal Technique	03 – 08 Dec.2018	IIT, Delhi	TEQIP, IIT, Delhi
		2.Innovation and Emerging Dimension in Educational Technology for the Development of Agriculture Education	02 – 22 Jan. 2019	Dept. of Electrical Engineering, CTAE, MPUAT, Udaipur	ICAR, New Delhi
		3.Short term training on Metlab and Its Application in Engineering	28 Jan. – 02 Feb. 2019	CTAE, MPUAT, Udaipur	
2	Dr. Tawale,J.B.	Quantitative Methods for Agricultural Policy Analysis	23Jan. - 12 Feb. 2018	CAFT IARI, New Delhi	ICAR, New Delhi
3	Dr. Patil,R.A.	Nursery Inspection with State Department of Agriculture, Government of Maharashtra	09-10 July, 2018	Osmanabad, Kallam, Bhoom,	State Agril. Dept., Govt. of Maharashtra
2019 - 2020					
1	Dr. Badgire, B.B.	1.Short term training on Data Sciences	23 -27 Sept. 209	CTAE, MPUAT, Udaipur	AICTE, New Delhi
		2.Entrepreneurial Skill Development of Rural Youth through Innovative Approach	04 – 24 Jan. 2020	CCAS, MPUAT, Udaipur	ICAR, New Delhi

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2	Dr. Tawale,J.B.	1.Financial Literacy and Digital Payment System in India	28 Dec. 2019	Vasantrao Kale Mahavidyalaya, Dhoki	ICSSR, New Delhi
		2.Raising Farmers Income by 2022 and Socio-Economic Indicators for Agricultural Developments	21-22 Dec. 2019	Dept. Agril. Econ. VNMKV, Parbhani	Maharashtra Society of Agricultural Economics
3	Dr. Waghmare, M.S.	Frontier Technologies for Climate Resilient Agriculture	17-18 Feb. 2020	Akola	Dr. PDKV, Akola
4	Dr. Sable,A.V.	Integrated pest management	10 Apr. -0 5 June 2020	ag MOOCs	UAS Raichur; IIT Kharagpur & Commonwealth of Learning, Canada
5	Dr. Patil,R.A.	Acted as Member of Taluka level Complaint Resolving Team (Coriander)	04 Aug. 2019	Upla	State Agril. Dept., Govt. of Maharashtra
2020 - 2021					
1	Mr. Chavan, K.R.	1.Two Weeks National e-Training on Indian Agricultural Education System and Entrepreneurship Scope in 21 st Century	5 – 14 Aug. 2020	NAHEP, F/O Engineering, Dr. P.D.K.V. Akola	ICAR & NAHEP
		2.National Training Programme on Advances in Fodder Production, Utilization & Conservation for Improving Livestock Health, Productivity and Environmental Sustainability.	20 Aug.- 09 Sept. 2020	ICAR- IGFRI, Regional Research Station, Shrinagar And NADCL, Baramulla	ICAR
2	Dr. Tawale,J.B.	1.Psychology of Learning	1 - 15 May, 2020	NAARM, Hyderabad	ICAR New Delhi

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		2.Farm Bills 2020: Understanding the Implications	26 Sept. 2020	NAHEP (ICAR)-CAAST, IARI	ICAR,New Delhi
		3.Employment Generation Among Rural Youth Through Agriprenurship	03 May - 14 June.2020	agMOOCs	IIT, Kanpur
		4.Recent Trends in Academic Writing	20 - 24 May 2020	Online	University Lib. and Dept, of Extension VNMKV, Parbhani
		5.Designing E – Learning content	1 - 31 July. 2020	Online	NAARM, Hyderabad ,ICAR New Delhi
		6.Sustainable Models on Agriculture-Nutrition Linkages for better Nutritional Outcomes	5 - 9 Oct. 2020	NIRDPR, Hyderabad	Ministry of Rural Development, GOI
		7.Community Based Participatory Research in Rural and Tribal Areas	19 - 21 Oct. 2020		
3	Dr. Thorat, K.S.	Protected Cultivation Technologies for Climate Smart Agriculture	21- 29 April 2020	Online	CAAST-CSAWM NAHEP, MPKV Rahuri
4	Dr. Sable, A.V.	1.Integrated pest management: effective, economical and Eco-friendly ways of keeping insect pests at bay	26 Sept.- 28 Nov. 2020	Online	HCU of Delhi and Cotton university, Assam
		2.Mass production of important bio-control agents	25 Sept. - 24 Dec 2020		GBPUAT, Pantnagar
		3.Guided farmers on Snail management	22 July 2021	Wanewadi	Agri.Department, Osmanabad

Faculty and Staff Development

5	Dr. Patil,R.A.	1.Protected Cultivation Technologies for Climate Smart Agriculture	21-29 April 2020	Online	CAAST-CSAWM NAHEP, MPKV Rahuri
		2.Attended the complaints regarding germination of Soybean at Washi Taluka	Last week of June	Washi	State Agril. Dept., Govt. of Maharashtra
2021 - 2022					
1	Dr. Ghante, P. H.	National Symposium (Achieving Sustainability in Crop Production Through Alimentation and Plant Protection)	17-18 Nov, 2021	Latur	COA, Latur & COA, Parbhani VNMKV, Parbhani
2	Chavan, K.R.	National Training Course on Opportunities in Agriculture, Animal Husbandry & Allied Sectors for Sustainable Entrepreneurship & Livelihood Security	01 – 07 July 2021	Rajmata, Gwalior (MP), NABARD Gwalior & AEDS, Majhara Ghat, Rampur, (UP) India.	ICAR
3	Dr. Tawale,J.B.	1.Theoretical Foundation of educational Technology	1-30 Jun 2021	NAARM, Hyderabad	ICAR New Delhi
		2.International Webinar on Role of Legumes and Piulses in Sustainable Cropping System of Hot Arid Zone	17 July 2021	SKRAU, Bikaner	NAHEP
		3.National Webinar on Market Intelligence: Agricultural Market and Price Information System	29 Sept. 2021	MPUAT, Udaipur, Rajasthan	NAHEP
		4.National Symposium on Achieving Sustainability in Crop Production Through Alimentation and Plant Protection	17 – 18 Nov. 2021	Dept. of Plant Pathology, College of Agriculture, Latur and Parbhani	Indian Phytopathological Society, New Delhi

Faculty and Staff Development

4	Dr. Patil,R.A.	ICVEG-2021	14- 16 Dec. 2021	Varanasi (Online)	I S VS, Varanasi
5	Mr. Falke A.R.,	National Symposium (Achieving Sustainability in Crop Production Through Alimentation and Plant Protection)	17- 18 Nov. 2021	Latur	COA, Latur & COA, Parbhani VNMKV, Parbhani
2022 - 2023					
1	Mr . Chavan, K.R.	Summer School on Recent Trends in Sustainable Livestock and Crop Production Technologies vis-à-vis Climate Change	18. – 08 Jun July 2022 (Online Mode)	ICAR - IGFRI, Regional Research Station, Shrinagar, BASU, Patna, Bihar	ICAR
2	Dr. Tawale, J.B.	International Workshop on Advance Statistical Data Analysis using SPSS	21-27 Jan. 2022	Online	Science Tech. Institute, Lucknow & Manraj Kuwar Singh Educational Society, Lucknow
3	Dr. Sable , A.V.	1.Guided farmers on IPM in Rabi Sorghum and grams	4 Nov. 2022	Tuljapur	KVK, Tuljapur
		2.Guided farmers on Management of Soyabean yellow mosaic	31 Aug., 2022	Hinglajwadi	Agri. Department , Osmanabad
		3.Guided farmers on Management of soyabean insect and yellow mosaic	10 Aug.,2022	Wagholi	RAWE Students , CoA, Osmanabad
		4.Guided farmers on Snail Management	19 July, 2022	Ter	Agri. Department , Osmanabad
4	Dr. Patil,R.A.	1.Acted as Member of Taluka level Complaint Resolving Team (Onion/Cauliflower)	01-02 Feb., 2023	Wanewadi, Wagholi	State Agril. Dept., Govt. of Maharashtra
		2.Acted as Member of Taluka level Complaint Resolving Team (Cucumber)	09 March, 2023	Ambejawalga	State Agril. Dept., Govt. of Mah.

Faculty and Staff Development

5	Mr. Falke,A.R.	One day virtual national seminar on Mushroom for Livelihood and Entrepreneurship Development in Rural Sector	20 Sep 2022	Gujrat	Parul University.
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College of Agriculture, Ambajogai

S. No.	Name of participant	Title of National/International seminars/ symposia / workshop / training / consultancy visits /special assignment etc.	Duration with date	Place	Organizing Agency
2018 - 2019					
1	Dr. Bantewad, S. D.	1.Integrated Pest Management an Online course	10 Dec., 2018 (Eight weeks)	Head, Centre for Development of Technical Education IIT Kanpur	agMOOCs,
		2.National Seminar on Potential,Prospects and strategies for Doubling Farmers Income	15-16 Dec. 2018	PDKV, Akola	Dr. PDKV, Akola
2	Dr. Lokhande, D. C	IPNI Cooperators Meet on Advancement in Soil, Water and Plant Nutrition Research.	02-03 Nov. 2018	Nagpur	Dr.PDKV Akola
3	Dr. Jadhav, S. B.	1.Recent Trends in Plant Sciences and Agricultural research.	11- 12.Jan. 2018	Solapur.	Solapur.
		2.Recent Advances in Food, Herbal and Nano Technology	12-13 Jan. 2018	Latur.	Latur.
4	Dr. Rathod, S.T.	Advances in Agriculturural and Allied Science Technologies for Sustainable Development	10-11 Feb. 2018	Hyderabad	Prof. G Ram Reddy Centre for Distance Education, OU Hyderabad

Faculty and Staff Development

5	Dr. Tayde, V. V.	1.Recent Advances in Food Herbal And Nano Technology College of Computer Science and Information Technology	12 Jan. 2018	Latur	Latur
		2.National Seminar on Recent Trends In Plants Sciences and Agricultural Research Zonal Agricultural Research Station(MPKV)	11-12 Jan. 2018	Solapur	Solapur
		3.Advances in agriculture and allied science technologies for sustainable development	10-11 Feb. 2018	Hyderabad , Telangana	Osmania University, Hyderabad , Telangana
		4.Recent trends in Genetics and Biotechnology	29 Jan 2019	Yogeshwari Mahavidyalaya, Ambajogai	Yogeshwari Mahavidyalay, Ambajogai
6	Dr.Waghmare Y.M.	1.Advances in agriculture and allied science technologies for sustainable development	10-11 Feb. 2018		Osmania university, Hyderabad, Telangana
		2.Recent trends in genetics and biotechnology	29 Jan 2019	Yogeshwari Mahavidyalaya, Ambajogai	Yogeshwari Mahavidyalaya , Ambajogai
		3.Maharashtra society of Agril Economics	21-22 Dec 2019	Deptt of Agril Economics, VNMKV Parbhani	Deptt of Agril Economics, VNMKV Parbhani
2019 - 2020					
1	Dr. Rathod, S.T.	1. Awareness Workshop on Digital Field Book	11 Oct. 2019	VNMKV, Parbhani	ISGPB-Parbhani Chapter, VNMKV, Parbhani.
		2.Global Perspective in Agricultural and Applied Sciences for Food and	1-2 Dec, 2019.	Uttarahand	A and ETD Society, US

Faculty and Staff Development

		Environmental Security			Nagar, Uttarahand
2020 - 2021					
1	Dr. Tayde, V. V.	1.Future of Indian Media Industry. Department of Communication	22-27 June 2020	Bengaluru	Dept. of Communication Bengaluru
		2.Resiliency of media in the times of Global Crises: Challenges and Opportunitie.	06-11 July 2020	Bengaluru	Dept. of CommunicatioB engaluru
		3.Core Competencies of Agricultural Extension Profession	17 July,2020	MANAGE , Hyderabad	MANAGE , Hyderabad
		4.Agricultural Extension and Advisory Services Amid COVID-19 Pandemic	24 July,2020	Rajasthan	Agri. University, Kota Rajasthan
		5.Communication Skill for Professionals	31 July,2020	ANCA,Warora Dist. Chandrapur	ANCA,Warora Dist.Chandrapur
2021- 2022					
1	Dr. Chavan, R A	Achieving Sustainability in Crop Production Through Alimentation and Plant Protection IPS.	17-18 Nov. 2021	New Delhi	New Delhi
2	Dr. Rathod, S.T.	1.Advances in Sustainable Management of Natural Resources for Food and Nutritional Security,	26-27 Aug. 2021	NAU, Navsari	NAU, Navsari
		2.Current and Future Agriculture with Genome Editing	19 Sept. 2021.	Virtual	Team Plantgenomia
		3.Achieving Sustainability in Crop Production Through Alimentation and Plant Protection	17-18 Nov. 2021	COA, Latur	COA, Latur & PIPS, New Delhi.
		3.Progress and Prospects in Genomics, Genetics and Breeding for Biotic Stresses in Plants	22 Aug. 2021	Virtual	Team Platgenomia

Faculty and Staff Development

		4.Second International web- conference on: The future of Food and Agriculture: Trends and Challenges (TFFA)	20-21 Sept. 2021	Indore	SVV, Indore, Shri Vaishnav Institute of Agri.
2	Dr. Tayde, V. V.	1.Restoration: Issues and Strategies NAHEP Directorate of Research	05 Jun. 2021	Udaipur, Rajsthan	Maharana Pratap university of agriculture and technology, Udaipur, Rajsthan
		2.Lecture on increasing farmers income : way forwardMaharana Pratap university of agriculture and technology	18 Jun. 2021	Udaipur, Rajsthan	Udaipur, Rajsthan
		3.Sustainable Strategies for Enhancing Productivity & Profitability in Dryland Agriculture	29 Jun. 2021	Udaipur, Rajsthan	MPUAT, Udaipur
2022 - 2023					
1	Dr. Rathod, S.T.	1.Certificate of appreciation for participation in the International Forum of Translators.	23 May 2022	Uzbekistan	NIET, Uzbekistan
		2. Certificate of participation in live interactive webinar on Challenges and Research Oppurtunities in Oil palm tissue culture on	23 July 2022.	Virtual	Bioengene.

Faculty and Staff Development

College of Agriculture, Latur

Sr. No	Name of participant	Title of National / International seminars / symposia / workshop / training / consultancy visits / special assignment etc.	Duration with date	Place	Organizing Agency
2018 - 2019					
1.	Dr. Dheware, R. M.	Recent Advances in Crop Improvement production & Post Harvest Technology in Potato Research	18 Jul.-7 Aug. 2017	ICAR-CPRI, Shimla	ICAR-CPRI, Shimla
2.	Dr. Jadhav, R.S.	Competency enhancement for efficiency and effectiveness at work place	4-8 Sept. 2017	NAARM, Hyderabad and VNMKV, Parbhani	NAARM, Hyderabad & VNMKV, Parbhani
3.	Dr. Wadikar, P.B.	Recent advances in abiotic stress management for climate smart Agriculture.	08- 28 Sept 2017	Baramati, Pune (Maharashtra)	ICAR, NIASM, Baramati, Pune
4.	Dr. Bhamare, V. K.	Workshop on Importance of Honeybees in Agriculture	19 Aug. 2017	VNMKV, Parbhani	Dept. of Agril Ento VNMKV, Parbhani
5.	Prof. Pole, S.P.	Phenotyping for drought adaptable physiological traits in different crops	25 Oct - 15 Nov. 2017.	GKVK, Bangalore	UAS, Bangalore
6.	Dr. Patil, R. A.	Conservation and Promotion of Indigenous Breeds of Livestock organized	30 Oct. – 19 Nov. 2017	Bikaner (Rajasthan)	UV&A, Bikaner
7.	Dr. Shelke, R.D.	Massive Open Online Course (MOOC) on Teaching Management	1 – 30 Nov. 2017.	NAARM, Hyderabad	NAARM, Hyderabad
8.	Dr. Padghan, P. V.	Advances in Validation of Functional Foods	1-21 Dec. 2017	NDRI., Karnal	Animal Biochemistry Division, NDRI., Karnal
9.	Dr. Deshmukh, J. M.	Persuasive Communication and Soft Skill Development among the Agricultural Professionals: New targets and Innovative approaches	5- 14 Dec. 2017	BAC, Sabour, Bhagalpur	Dept. of Extn. Edu., BAC, Sabour, Bhagalpur

Faculty and Staff Development

10.	Dr. Jadhav, R.S.	Insect resistance to <i>Bt</i> toxin and insecticides in cotton	18 Jan. 07 Feb. 2018	CICR, Nagpur	CICR, Nagpur
11.	Dr. Jagtap, V.S.	Molecular breeding for higher productivity, quality, food colourants , nutraceuticals & bio active health compounds in vegetable crops	13 Feb. - 05 March 2018	IARI, New Delhi	IARI, New Delhi
12.	Dr. Padghan, P. V.	1.National Conference on Technological Challenges in Social, Environmental and Agricultural Reforms	09-10 Sept. 2017	Rajendranagar, Hyderabad	Indian Institute of Rice Research, Rajendranagar, Hyderabad,
		2.National conference on Harmony with Nature in Context of Environmental Issues and Challenges	21- 23 Dec. 2017	Kakatiya University, Warangal,	University, Warangal,
13	Dr.Deshmukh J.M.	National Seminar on Recent trends in plant science and agricultural research	11 - 12 Jan 2018	Solapur (MS)	ZARS, Solapur
14	Dr. Vaidya,P.H.,	National Conference on Doubling farmers income for Sustainable and Harmonious Agriculture, DISHA-2017 (Online)	9-10, Sep, 2017	SVU, Tirupati	SVU, Tirupati
	Dr. Takankhar V.G.				
	Dr. Indulkar,B.S.				
	Dr. Shelke, R.D.				
15	Dr. Shelke, R.D.	1.77th Annual Conference of the Indian Society of Agricultural Economics(Online)	12-14 Oct., 2017	CPGS, Barapani, Meghalaya	CPGS,Barapani, Meghalaya
		2.National Conference of Maharashtra Society of Agricultural Economics(Online)		SKUAST-Jammu (J&K)	SKUAST-Jammu (J&K)
		3.Silver Jubilee Conference on Doubling Farmers Income: Option and Strategies	7-9 Nov 2017	NAARM, Hyderabad	NAARM, Hyderabad
		4.Third International Conference on Bio-resource and Stress Management	8-11Nov, 2017	Jaipur	State Institute of Agriculture Mgt., Jaipur

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		5 . 9 th International Conference on Environment	8-10 Feb. 2018	Gwalior	Jr. Env. Res. And Devp., Bhopal and A.U, Gwalior
16	Dr. Kadam A.S.,	International seminar on global climate change, implication for agriculture and water sector	14 – 16 Dec. 2017	WALMI, Aurangabad	VNMKV Parbhani, MPKV Rahuri, Dr. PDKV Akola, Dr. BSKKV Dapoli, WALMI Aurangabad and JARS Pune
	Dr. Toprope, V. N.				
	Dr. Pole, S.P.,				
	Dr. Bhamare, V. K.				
	Dr. More, D.G.				
	Dr. Shelke, R.D.				
17	Dr. Toprope, V.N.	National Conference on Harmony with nature in context of environmental issues and Challenges	21- 23 Dec. 2017	Kakatiya, University, Warangal	Kakatiya, University, Warangal
	Dr. Wadikar,P.B.				
18	Dr. Wadikar, P.B.	International conference on Advances in agriculture and allied science technologies for sustainable development	10- 11 Feb.2018	Osmania University, Hyderabad	Osmania University, Hyderabad
19	Dr. Suryawanshi A. P	Special Symposium on Microbial Antagonists and Their Role in Biological Control of Plant Diseases	5-7 Oct. 2017	AAU, Anand, Gujrat	AAU, Anand, Gujrat
	Dr. Magar S. J.,				
20	Dr. Magar S. J.,	Annual meeting of IPS, National Symposium on Plant Health Management: Embracing Eco-sustainable paradigm	15-17 Feb. 2018	AAU, Jorhat	AAU, Jorhat
21	Dr. Kalegore, N.K	National Conference on Advances in Agriculture and allied science technologies for sustainable development	10-11 Feb, 2018.	Osmania University, Hyderabad	Osmania University, Hyderabad
22	Dr. Suryawanshi, V.P.	International Conference on Advances in Agriculture and Allied Science Technologies for Sustainable Development	10-11 Feb. 2018	Hyderabad	GUARD, Hyderabad

Faculty and Staff Development

23	Dr. Bhamare, V. K.	National Conference on Climate Change & Agricultural Production: Adapting Crops to Climate Variability and Uncertainty.	6-8 April, 2017	BAU, Sabour, Bhagalpur	BAU, Sabour, Bhagalpur and IES, Ludhiana
24	Dr. Vaidya P.H., Dr. Indulkar, B. S.	State Level Seminar on Soil and Plant Health Sustainability Scenario Towards Changing Needs	7 - 8 Oct 2017.	VNMKV, Parbhani.	PCISSS VNMKV, Parbhani.
25	Dr. Jaybhaye R.V.	Recent Trends in Plant Sci. & Agril. Research	11 – 12 January	Solapur	ZARS, Solapur
26	Dr. Shinde, V. N.	National Symposium- Effect of foliar application potassium forms, micronutrients and its combination on fruit growth and yield attributes of sweet orange (<i>Citrus sinensis</i> L Osbeck)	11-12 Dec, 2019	Dr. BSKKV, Dapoli	22 nd National Conference of Maharashtra Society of Agril. Econ.
2019 - 2020					
1.	Dr. Badgire, B.B.	1.Launch cum Orientation Program of Institutional Development Plan	01 Jan.2019	CTAE, MPUAT, Udaipur	CTAE, MPUAT, Udaipur
		2.Innovation and Emerging Dimension in Educational Technology for the Development of Agriculture Education	02 – 22 Jan, 2019	CTAE, Udaipur	Dept. Of Electrical Engg. CTAE, Udaipur
		3.METLAB and Its Application in Engineering	28 Jan.- 2 Feb. 2019	CTAE, MPUAT, Udaipur	CTAE, MPUAT, Udaipur
		4.Data Sciences	23-27 Sept. 2019	CTAE, MPUAT, Udaipur	CTAE, MPUAT, Udaipur
2	Dr. Padghan, P. V.	Winter school on Technological Advances in Functional Food Ingredients and Validation of Their Claim	6-26 Dec., 2020.	Karnal,(Haryana)	National Dairy Research Institute, Karnal,(Haryana)
3	Dr. Badgire, B.B.	Launch cum Orientation Program of Institutional Development Plan	01.01.2019	CTAE, MPUAT, Udaipur	CTAE, MPUAT, Udaipur
4	Dr. Shelke, R.D.	22 nd National Conference of Maharashtra Society of Agricultural Economics	21- 22 Dec. 2019	VNMKV, Parbhani	Maharashtra Society of Agril Econ.

Faculty and Staff Development

5	Dr. Shinde,A. T.	Paradigm transformation of technological advancement in Veterinary sciences: National Perspective	26-27 Nov. 2019	PGIVAS, Akola	PGIVAS, Akola
6	Dr. Padghan, P. V.	Paradigm transformation of technological advancement in Veterinary sciences: National Perspective	26-27 Nov. 2019	PGIVAS, Akola	PGIVAS, Akola
		Technological Advances in Functional Food Ingredients & Validation of Their Claim	06- 26 Dec. 2019	Karnal - (Haryana)	National Dairy Research Institute,
7	Dr. More, D.G.	Workshop of CROPSAP Project	6- 26 April 2019	DPDC Hall, Latur	State Dept. of Agri.
		Personality Development training programme cum Workshop	19 -20 Mar 2019	COA, Latur	COA, Latur
8	Dr. Karanjikar, P.N.	International Conference on Entrepreneurship in Agriculture and Renewable Energy Sector	15 – 16 Mar 2019	Dr. PDKV, Akola	NAHEP
9	Mr. Adsul, P. B.	Effect of soil and foliar feeding of nutrients and growth regulators on yield and quality of soybean (<i>Glycine max</i> L.)	17-18 Feb.2020	Akola	AC ISSS, Dr. PDKV, Akola
10	Dr. Wadikar, P.B.	Biotic and Abiotic stress tolerance in plants under changing climatic conditions	06-26 Aug. 2019	Ludhiana,	PAU, Ludhiana, (Punjab)
11	Dr. Bhamare, V. K.	1.DNA-Barcoding and Bioinformatics Applications in Entomology	5 Feb. 3 Mar. 2019	Bengaluru	NBAIR
		2.Safe handling of pesticide during pest management	25 Jan 2019	Bhatangali	SIMACES Learning LLP, Pune
		3.Identification and management of invasive pest: American falls armyworm	25 Jan 2019	Bhatangali	SIMACES Learning LLP, Pune
		4.Safe handling of pesticide during pest management	28 Jan 2019	Valandi	SIMACES Learning LLP, Pune

Faculty and Staff Development

	5. Identification and management of invasive pest: American falls armyworm	28 Jan 2019	Valandi	SIMACES Learning LLP, Pune
	6. On Onion day guided on Integrated Pest management of onion	8 Mar 2019	Lodga	NHRDF, Chitegoan Nashik
	7. District Level (Latur) Workshop of CROPSAP Project	22 Apr 2019	DPDC Hall, Latur	State Dept. of Agriculture
	8. Under Nanaji Deshmukh Krishi Sanjivini Project (POCRA) guided on Integrated Pest management cotton	25 Apr 2019	Latur	KVK, Latur
	9. Under Nanaji Deshmukh Krishi Sanjivini Project (POCRA) guided on Insecticide Resistance management	5-25 Apr 2019	Latur	KVK, Latur
	10. Under Nanaji Deshmukh Krishi Sanjivini Project guided on Safe handling of insecticides	6 Apr 2019	Latur	KVK, Latur
	11. Under Nanaji Deshmukh Krishi Sanjivini Project guided in Horticultural Plantation Workshop on Integrated Pest management of mango	12 Jun 2019	Latur	SAO, Latur
	12. Diploma in Agricultural Extension Services for Input Dealers guided on Current pest situation and Identification of damage due to insect-pests and their management	2 Aug. 2019	Lodga	MANEGE Hyderabad and SCCoAT, Lodga
	13. Diploma in Agricultural Extension Services for Input Dealers guided on Importance of pest and disease control in agriculture and difference between harmful and beneficial insects	3 Aug. 2019	Lodga	MANEGE Hyderabad and SCCoAT, Lodga

Faculty and Staff Development

		14. Diploma in Agricultural Extension Services for Input Dealers guided on Insect and disease symptoms and classification of pesticides	3 Aug. 2019	Lodga	MANEGE Hyderabad and SCCoAT,Lodga
		15.Diploma in Agricultural Extension Services for Input Dealers guided on Insecticide with novel modes of action	3 Aug. 2019	Lodga	MANEGE Hyderabad and SCCoAT,Lodga
		16.Diploma in Agricultural Extension Services for Input Dealers guided on Insecticide compatibility	10 Aug 2019	Lodga	MANEGE Hyderabad and SCCoAT,Lodga
		17.Diploma in Agricultural Extension Services for Input Dealers guided on Concept of IPM and Organic Pest Management	6 Aug 2019	Lodga	MANEGE Hyderabad and SCCoAT,Lodga
		18. Diploma in Agricultural Extension Services for Input Dealers guided on Classification of insecticides and Identification and Management of American Fall armyworm	8 Aug 2019	Latur	MANEGE Hyderabad and KVK, Latur
		19.Under Nanaji Deshmukh Krishi Sanjivini Project (POCRA) Rabi Famers School guided on Integrated Pest management gram and sorghum	7 Jan 2020	Latur	ATMA, Latur
16	Dr. Magar,S.J.	1.Application of Molecular Epidemiology and Simulation Modeling for Plant Disease Management.	13-22 Feb. 2019	PAU Ludhiana	PAU Ludhiana Punjab.
		2.Massive open Online course (MOOC) on Teaching Excellence	1-30 Nov. 2019	Online Course	ICAR-NAARM
		3.e- Extension	1-30 Dec. 2019	Online Course Ag MOOCs BHU	Ag MOOCs BHU, Varanasi,
		4.Detection, Diagnosis and Management of Plant Diseases.	15-30 Dec. 2019	Online Course	Ag MOOCs BHU, Varanasi,

Faculty and Staff Development

		5.Human, Animal and Plant Mycoplasmas	3-5 Dec. 2019	NCMR Pune	NCMR Pune.
17	Dr. Shelke,R.D.	1.Employment generation among rural youth through Agripreneurship	18 Jun. 30 Jul 2019	IIT, Kanpur	agMOOCs
		2.e-Extension	18 Oct. 03 Dec. 2019	IIT, Kanpur	agMOOCs
18	Dr. Jayebhaye R.V.	1.Int. Conference on Entrepreneurship in Agril & Renewable Energy Sector	15-16 Mar 2019	PDKV, Akola	Dr. PDKV, Akola
		1.Heat and Mass Transfer Studies during hot air puffing of barnyard millet snack food 10 th Asia Pacific	14.-17 Dec. 2019	Vadodara, Gujarat	National Institute of Technology, Rourkela
19	Mr. Badgire, B.B.	1. Launch cum Orientation Program of Institutional Development Plan	01.Jan.2019	Udaipur	CTAE, MPUAT, Udaipur
		2. Innovation and Emerging Dimension in Educational Technology for the Development of Agriculture Education	02-22, Jan, 2019	Udaipur	CTAE, Udaipur
		3. METLAB and Its Application in Engineering	28 Jan.-2 Feb. 2019	Udaipur	CTAE, MPUAT, Udaipur
		4. Data Sciences	23 - 27 Sept. 2019	Udaipur	CTAE, MPUAT, Udaipur
20	Dr. Deshmukh, J. M.	International conference on: Global Research Initiatives for Sustainable Agriculture & Allied Sciences	20-22 Oct. 2019	NAARM, Hyderabad	NAARM, Hyderabad
21	Dr. Suradkar, D. D.	1.ETI training of NSS Programme Officer	24-30 Aug. 2019	Ahmednagar	ETI training institute Ahmednagar
		2.Short training Agriculture media skills for Extension professionals	20-29Jan. 20	Rajendranagar, Hyderabad	CoA, PJTSAU Rajendranagar, Hyderabad
22	Dr. Kamble, V. B.	e-Extension	18 Oct. -03 Dec. 2019	IIT, Kanpur Commonwealth of	agMOOCs Online Course

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				Learning, Canada	
23	Dr. Deshmukh, J. M.	e-Extension	18 Oct.- 03Dec. 2019	--do--	agMOOCs
24	Dr. Suradkar, D. D.	e-Extension	18 Oct. -03 Dec. 2019	--do--	agMOOCs
25	Dr. Deshmukh, J. M.	Employment generation among rural youth through Agripreneurship	18Jun-30Jul.2019	--do--	agMOOCs
26	Dr. Suradkar D. D.,	Employment generation among rural youth through Agripreneurship	18Jun-30Jul.2019	--do--	agMOOCs
27	Ms. Patange,M.J.	1.Training: Preparation of Health Foods	01-02 Mar.2019	VNMKV,Parbhani	CoCS VNMKV, Parbhani
		2.Training: Doubling the farmers income through integrated farming system for livelihood security	18 - 27 Nov. 2019	VNMKV,Parbhani	AICRP on Dryland Agriculture, VNMKV,Parbhani
		1. 22 nd National Conference 2. Economic study of impact assessment of front line demonstration on Soybean	21- 22 Dec.2019	VNMKV,Parbhani	Dept. of Agril. Econ., VNMKV, Parbhani
28	Dr.Awari, H. W. Dr.Ingle, V. K. Dr.Khodke,U.M. Dr. Jadhav, S. B.	1. Development of Modified Crop Coefficients Based on Weather Parameters of Parbhani for Cabbage	19 -20 Nov. 2019	Akola	XVII Shri VN Memorial National Seminar at Akola
		2. Development of inter-relationship between different ETo estimation methods	12 -13 Dec. 2019	Varanashi	ISAE Convention 2019 at Varanashi
29	Dr. Takankhar, V.G. Dr. Chatarkar, D.V. Dr. Karanjikar, P.N.	Effect of liquid biofertilizers (<i>Brady Rhizobium</i>) on uptake of N,P and K by green gram at different growth stages	15- 16 Mar. 2019	Dr. PDKV, Akola	International Conf. on Entrepreneurship in Agril. & Renewable Energy Sector
30	Dr Shinde, V .N.	Post Harvest Management for Economic Security of Farmers in Arid	03-12 Dec.2019	CRIDA, Jodhpur	ICAR, New Delhi
2020 - 2021					
1.	Dr. Karanjikar,	1. One-month Massive Open Online	1-31 July, 2020	NAARM,	NAARM,

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	P.N.	Course		Hyderabad	Hyderabad	
		2. International Training Course on Conservation Agriculture based crop management technologies in climate smart agriculture	18-22 May, 2020	MPKV, Rahuri	CSAWM, MPKV, Rahuri under NAHEP	
		3. Training Programme on Recent trends in academic writing Organized by	20-24 May, 2020.	VNMKV, Parbhani	Uni. Library & Dept of Extn. Edu., VNMKV, Parbhani	
			4. Recent advances and instrumentation in agricultural meteorology	26 May-2 June, 2020	VNMKV, Parbhani	CAAST DFSRDA, VNMKV, Parbhani under NAHEP
			5. Applications of Remote Sensing and GIS in Digital Agriculture	4-8 June, 2020.	-----	-----
			6. National Training Programme on Climate Resilient Technologies for Rainfed Agriculture	11-15 June, 2020.	-----	-----
			7. Present and futuristic trends in agricultural mechanization	18-23 June, 2020.	-----	-----
			8. Perspectives of present and future weed research under climate smart agriculture	17-20 Aug., 2020	MPKV, Rahuri	CSAWM, MPKV, Rahuri under NAHEP
			9. Agricultural drainage for waterlogged and salt affected soils	24-29 Aug. 2020.	-----	-----
			10. Organic Farming: Field to Fashion	14-19 Dec., 2020	Dr. PDKV, Akola.	Center for Organic Agriculture Research and Training, Dr. PDKV, Akola.
2	Dr. Takhankar, V.G.	1. Carbon Sequestration in Climate Smart Agriculture	11-13 May 2020	Rahuri.	CAAST MPKV Rahuri.	
		2. Conservation Agriculture based crop Management Technology (CAAST) for	18-22 May 2020	Rahuri.	CAAST, MPKV Rahuri.	

Faculty and Staff Development

		Climate Smart Agriculture and Water Management.			
		3. Recent Trends in Academic writing	20-24 May 2020	VNMKV, Parbhani	VNMKV Parbhani.
		4. Recent Advances & Instrumentation in Agricultural Meteorology	26 May- 02 Jun. 2020	VNMKV, Parbhani	CAAST, NAHEP, VNMKV, Parbhani.
		5. Application of Remote Sensing and GIS in Digital Agriculture	4-8 June 2020	VNMKV, Parbhani	CAAST, NAHEP, VNMKV, Parbhani.
3	Prof. Kamble, S.H.	1. Five days Workshop on Learning Statistics and Data analysis using SPSS	15-19 Oct.,2020	Tirunelveli, Tamilnadu	Simple Statistics Solution and training provider, Tirunelveli, Tamilnadu
		2. Three days Workshop on Learning Statistics and Data analysis using MS-Excel	05-07 Sept., 2020	Tirunelveli, Tamilnadu	Simple Statistics Solution and training provider, Tirunelveli, Tamilnadu
4	Dr. Bhamare, V.K.	Certificate course on Mass Production of Important Bio-Control Agent	25 Sept. - 24.Dec. 2020	Pantnagar Uttarakhand	GB Pant UAT, Pantnagar US Nagar Uttarakhand
5	Dr. Shelke, R.D.	1. agMOOCs on Employment generation among rural youth through Agripreneurship	24 April - 14 June 2020.	IIT, Kanpur and Commonwealth of Learning, Canada	IIT, Kanpur and Commonwealth of Learning, Canada
		2. agMOOCs on Fundamentals of Agricultural Extension	08 May - 30 June 2020.	IIT, Kanpur and Commonwealth of Learning, Canada	IIT, Kanpur and Commonwealth of Learning, Canada
		3. One Week Online training programme on Recent trends in Academic Writing	20-24 May, 2020	VNMKV, Parbhani	Uni. Lib. and Dept of Extn. Edu., VNMKV,Parbhani

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		4. One Week National Online Training on COVID-19 pandemic: Impact and Strategies for Agricultural Education	9-13 June, 2020	VNMKV, Parbhani	CAAST, DFSRDA VNMKV, Parbhani NAHEP
6	Dr. Deshmukh, J.M.	1. Recent Trends in Academic Writing	20 - 24 May 2020	VNMKV, Parbhani	University Library & Dept. of Extn. Educ. , Parbhani
		2. Role of ICT in Agriculture and Extension in Present Scenario of Covid-19	11-12 June, 2020	MPUAT, Udaipur	College of Community and Applied Sciences, MPUAT, Udaipur under IDP-NAHEP.
		3. Research Methodology for Social sciences	1- 11 Sep 2020	AAU, Anand	NAHEP-CAAST Centre for Agricultural Marketing Intelligence, AAU, Anand
7	Dr. Badgire,B.B.	Entrepreneurial Skill Development of Rural Youth through Innovative approach	04-24 Jan., 2020	CTAE, MPUAT, Udaipur	CTAE, MPUAT, Udaipur
8	Dr. Magar,S.J.	1. Advance Digital and Biotechnological Tools in Modern Agriculture	4-8 Jun, 2020	VNMKV, Parbhani	VNMKV, Parbhani
		2.Recent Trends in Academic Writing	20-24 May, 2020	VNMKV, Parbhani	VNMKV, Parbhani
9	Dr. Adsul,P.B.	1.Recent Trends in Academic writing	20-24 May 2020	VNMKV, Parbhani	VNMKV, Parbhani
		2.Application of Remote Sensing and GIS in Digital Agriculture	4-8 Jun.2020	VNMKV, Parbhani	NAHEP, VNMKV Parbhani.
		3.State level 15 days Online Organic Farming Training	21- 9 Oct.,2020	VNMKV, Parbhani	VNMKV, Parbhani
10	Dr. More,D.G.	agMOOCs Online training on Integrated Pest Management	21April to 30Jun. 2020	Online training	Online training
11	Dr. Suradkar,	1.Personality Development , Effective	14- 18 April,2020	MPKV Rahuri	CAAST-CSAWM

Faculty and Staff Development

D.D.	Communication Skills and Stress Management			and Dept of Agrill Exten. and Communication, MPKV Rahuri
	2.The Left Reflects on the Global Pandemic: Gayatri Chakravorty Spivak	7 May, 2020	MPKV Rahuri	CAAST-CSAWM and Dept of Agrill Exten. and Commun., MPKV Rahuri
	3.Recent Trends in Academic Writing	20-24 May, 2020	VNMKV, Parbhani	Uni. Lib. & Dept. of Exten. Edu., VNMKV, Parbhani
	4.Rural Entrepreneurship Motivation	27 May 2020	Tuljapur	Tata Institute of Social Sciences, Tuljapur
	5Future of Indian Media Industry	22 -27 June,2020	Bengaluru University	Department of Communication, Bengaluru University
	6.Soft Skills to Enhance Professional Efficiency and Effectiveness	17- 22 Aug, 2020	MPKV Rahuri	(CAAST-CSAWM) and Department of Agricultural Extension and Communication, MPKV Rahuri
	7.Research Methodology for Social Science	01-11 Sept.,2020	Anand	(NAHEP)(CAAST AAU, Anand
	8.Space Technology and Machine Learning for Agriculture	28- 29 Oct.2020	Anand	(NAHEP) (CAAST), Anand Agricultural University, Anand

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12	Dr. Tamboli, N.M.	1.agMoocs six-week Online course on Diagnosis of Crop and Stored Grain Pests and their Management	31 Mar.2020	IIT , Kanpur	IIT , Kanpur
		2.Introduction to MATLAB and its application in climate smart agriculture	25-30 April, 2020	NAHEP , MPKV Rahuri	NAHEP , MPKV Rahuri
		3.Psychology of learning	1-15 May, 2020	NAARM Hyderabad	NAARM Hyderabad
		4.Designing E-Learning Content	15 May, 2020	NAARM Hyderabad	NAARM Hyderabad
		5.Machine Learning and its application in climate smart agriculture	15-17 May, 2020	NAHEP , MPKV Rahuri	NAHEP , MPKV Rahuri
		6.Resent Trends an Academic Writing	20-24 May, 2020	VNMKV Parbhani	University Library & Dept. of Ext.Edu. , VNMKV Parbhani
		7.COVID-19, Impact and strategies for agricultural Education	09-13 June, 2020	NAHEP , VNMKV Parbhani	NAHEP , VNMKV Parbhani
		8.National Webinar on Strategy for Strengthening Agricultural Education under changing senior of COVID-19	26-27 June, 2020	SKRAU , Bikaner	SKRAU , Bikaner
		9.Recent Trends in Deep Learning (RTIDL-2020)	4-8 Sept. 2020	Government college of Engineering	Government college of Engineering
		10.eFDP on Data Imputation from	3-5 Dec.,2020.	SICSR , PUNE	SICSR , PUNE
13	Prof. Pole,S.P.	1.National Webinar 2020 on Crop Improvement for Food & Nutritional Security: Challenges and Opportunities	7-11 July, 2020	Jorhat.	Dept. of Plant Breeding and Genetics, AAU, Jorhat.
14	Prof. Patange, M. J.	2.Conservation Agriculture based crop management technologies in climate smart agriculture	18-22 May, 2020	MPKV, Rahuri	CAAST for Climate Smart Agriculture and

Faculty and Staff Development

					Water Management, MPKV, Rahuri under NAHEP
		3. Training Programme on Recent trends in academic writing	20-24 May, 2020.	VNMKV, Parbhani	University Library and Department of Extension Education, VNMKV, Parbhani
		4. Recent advances and instrumentation in agricultural meteorology	26 May-2 June, 2020.	VNMKV, Parbhani (MS)	CAAST DFSRDA, VNMKV, Parbhani NAHEP (ICAR), New Delhi
		5. Training Programme on Applications of Remote Sensing and GIS in Digital Agriculture	4-8 June, 2020.	VNMKV	CAAST DFSRDA
		6. COVID 19 Pandemic: impact & strategies for Agricultural Education	9-13 June, 2020.	VNMKV	CAAST DFSRDA
		7. Climate Resilient Technologies for Rainfed Agriculture	11-15 June, 2020.	VNMKV	CAAST DFSRDA
		8. International Training Programme on Present and futuristic trends in agricultural mechanization	18-23 June, 2020.	VNMKV	CAAST DFSRDA
		9. International Training Programme on Power of Digital Manufacturing (3D Printing) for New Product Development	25 June, 2020.	VNMKV	CAAST DFSRDA
		10. International Online training on Recent Physio-Molecular Digital Tools in Abiotic Stress Management for Crop Modeling	29 June - 3 July, 2020	VNMKV	CAAST DFSRDA
		11. International Training programme on Soft skills to enhance professional	17-22 Aug. 2020.	MPKV, Rahuri	CAAST for Climate Smart

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		efficiency and effectiveness			Agriculture and Water Management (CSAWM), and department of extension and communication, MPKV, Rahuri under NAHEP of ICAR, New Delhi
		12 International Training programme on Agricultural drainage for waterlogged and salt affected soils	24-29 Aug, 2020.	-----	-----
		13. ANTP 2020 on Recent Scientific intervention and practices of sugarcane breeding, production, protection and utilization for doubling farmers income	01 - 21 Dec.,2020	Coimbatore (Tamil Nadu)	ICAR-SBI, Coimbatore (Tamil Nadu) & National Agriculture Development Cooperative Ltd Baramulla
		14. Winter School on Modern Practices of Plant and Animal Nutrition for Sustainable Agriculture Production and Intensive Livestock Development	02 - 22 Feb, 2021	Dharwad (Karnataka)	ICAR-IGFRI, Southern Regional Research Station, Dharwad UAS Raichur Karnataka
		15. One-month Massive Open Online Course	1-31 July, 2020	NAARM, Hyderabad	Designing E-Learning Content held by ICAR-NAARM, Hyderabad

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15	Dr. Waghmare, S.V.	IPS West Zone Virtual Symposium on Probing Beneficial Microorganism for Next Green Revolution	25-26 Feb., 2021	PDKV, Akola.	PDKV, Akola.
16	Dr. Suryawanshi, A.P.	1.National Symposium on Plant Health Management	2-4 Nov, 2020	NAU, Gujarat.	NAU, Gujarat.
		2.IPS West Zone Virtual Symposium on Probing Beneficial Microorganism for Next Green Revolution	25 - 26 Feb.,2021	PDKV, Akola.	PDKV, Akola.
17	Dr. Karle, A. S.	1.Participated as a Chief Agronomist of AICRP on IFS, VNMKV, Parbhani and presented the findings of IFS during the Online National Webinar.	28 May, 2020	IIFSR, Modipuram	IIFSR,Modipuram
		2.Participated as a Chief Agronomist of AICRP on IFS, VNMKV, Parbhani in the Online National Webinar on IFS.	26 May, 2020	IIFSR, Modipuram	IIFSR,Modipuram
		3.Participated as a Chief Agronomist of AICRP on IFS, VNMKV, Parbhani in the Online training on synthesis of district wise IFS model.	06 Jun. 2020	IIFSR, Modipuram	IIFSR,Modipuram
		4.Attended Online Mahila Shetkari Melawa on the view of Savitribai Phule Jayanti.	03 Jan,2021	VNMKV, Parbhani	DEE, VNMKV, Parbhani
18	Dr. Karanjikar, P. N.	1.One Day National Level Webinar on Climate Smart Agriculture & Entrepreneurship Development	16 May, 2020	Navha Dist. Jalna.	RMTs Rangnath Maharaj Agriculture College, Navha
		2.National Webinar on E-Education in agricultural sciences in the age of social distancing: Opportunities, challenges and strategies	5 June, 2020	Jorhat	NAHEP, Assam Agricultural University, Jorhat
		3.International Web-Conference on New trends in agriculture, environmental and biological sciences for inclusive	21 -22 June, 2020	Rampur, UP (India)	Agro Environmental Development Society Majhra

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	development (NTAEBSID-2020)			Ghat, Rampur, UP
	4. International Webinar on Global Virtual Discussion on Global Food Security and Agriculture Practice after COVID -19 Pandemic	22 June, 2020	Tikamgarh	JNKVV, College of Agriculture, Tikamgarh
	5. One day Online National Training programme on Power of Digital Manufacturing (3D Printing) for New Product Development.	25 June, 2020	VNMKV, Parbhani	NAHEP, VNMKV, Parbhani
	6. National Webinar Series on Immuno Nutrition, Wellness Management & Livelihood Change	03 -05 July, 2020	Jorhat	AICRP on Women in Agriculture, AAU, Jorhat in association with ICAR CIWA, Bhubaneswar
	7. Webinar Moodle: Online teaching management tool	6 July, 2020	Aurangabad	Department of Management Science, Dr. BMAU, Aurangabad
	8. National webinar on Crop improvement for food and nutritional security: Challenges and opportunities	7-11, July, 2020	Jorhat.	Department of Plant Breeding and Genetics, AAU, Jorhat.
	10. Webinar on Consumerism and financial literacy in midst of Covid 19 pandemic	12 July, 2020	Wadala ,Solpur	Lokmangal College of Agriculture Business Management, Wadala ,Solpur
	11. Talk on IOT and AI application in agriculture under Institutional Development Plan, on Reinforcement of brand value of univers	20 July, 2020	Gwalior	NAHEP, Rajmata Vijayaraje Scindia, Krishi

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		ity for designing market ready graduate for entrepreneurship and employment generation			Vishvavidyalaya, Gwalior
		12.National Webinar on Beneficial Insects: Crucial but Strongly Neglected	21 July, 2020	Indore	Shri Vaishnav Institute of Agri., SVVV, Indore
		13.National Webinar on Role of IFS in doubling the farmers income for profitability and livelihood security	24 July, 2020	Indore	Shri Vaishnav Institute of Agriculture, SVVV, Indore
		14.Online workshop on Microbial intervention in plant health and nutrition	25 - 26 Aug., 2020	Gujarat	CoA, Navsari Agriculture University, Campus Bharuch (Gujarat)
		15.Webinar on Entrepreneurial Opportunities in agriculture sector	12 Sept., 2020	Nashik	K.K.Wagh College of ABM, Nashik
		16.International web conference on Food security through sustainable agriculture (FSSA)	21-22 Sept., 2020	Indore (M.P.)	SVVV, Shri. Vaishnav Institute of Agriculture, Indore
		17.Internal webinar on Agricultural research through knowledge discovery	23 Feb.,2021	Kuala Lumpur Malaysia	EBSCO Information Services, Kuala Lumpur Malaysia
19	Dr. Takankhar V.G.,	1.E- Education in Agricultural Sciences in age of Social Distancing: Opportunities, Challenges and Strategies	05Jun 2020	Jorhat	NAHEP, Assam Agricultural University, Jorhat

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		2.New Trends in Agriculture, Environmental & Biological Sciences for Inclusive Development	21-22 Jun.20	Lucknow	AEDS, NADCL and BACU, Lucknow
		3.Global Virtual Discussion on Global Food Security and Agriculture Practice after COVID-19 Pandemic.	22Jun 2020	Tikamgarh (MP)	LNKVV, CoA, Tikamgarh (MP)
		4.Locust and Man	24Jun 2020	TNAU, Coimbtour	CoA Pudukkottai, TAU, Coimbtour
		5.Moodle: Online Teaching Management Tool	06 Jul.2020	Aurangabad	Dr. BAMU, Aurangabad
		6.Consumerism and Financial Literacy in Mids of COVID 19 Pandemic	12Jul.2020	Wadala	LCoA Business Management, Wadala
		7.IOT and AI application in Agriculture	20Jul.20	Gwalior	NAHEP, Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior
		8.Beneficial Insects: Crucial but Strongly Neglected	21Jul.20	Indore	SVVV, Indore
		9.Immuno Nutrition Wellness Management & Livelihood Change	03- 05 Jul. 2020	Bhubaneshwar	AAU, Jorhat & ICAR-CIAW, Bhubaneshwar
		10.Maize Improvement for Stress Tolerance and Bio-fortification in Climate Smart Agriculture-2020	04 Aug.2020	Sabur, Bhagalpur	Bihar Agricultural University, Sabur, Bhagalpur
20	Dr. Mulekar, V.G.	IPS West Zone Virtual Symposium on Probing Beneficial Microorganism for Next Green Revolution	25-26 Feb.2021	PDKV, Akola.	PDKV, Akola.
21	Dr. Bhamare,	1.National Webinar on Management of	22-24 Sept.2020	Palampur (HP)	NAHEP, CAAST

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	V.K.	biotic and abiotic stresses in protected agriculture			on Protected Agriculture and Natural Farming, CSK HPKVV, Palampur (HP)
		2.Webinar on Farm Bills 2020: Understanding the Implications	26 Sept. 2020	IARI	NAHEP (ICAR)-CAAST on Genomics Assisted Crop Improvement and Management, IARI
		3.Review meet of Taluka Level Farmers Co-ordination Committee (vide Lr No. TAO/Tech-1/FCC Meet/110/21 dated 25.01.21 and Lr No. TAO/Tech-1/FCC Meet/159/21 dated 05.02.21)	10 Feb.2021	TAO, Latur	TAO, Latur
		4.International Webinar on Pesticides-Health and Safety	03 -04 Sept. 2020	Trichy,	TNAU, Horticulture College and Research Institute for Women, Trichy,
22	Dr. Shelke,R.D.	1.Webinar on Entrepreneurship opportunities through alternate Horticulture based farming system	16-20Jul.2020	Gwalior, Madhya Pradesh	RVSKVV, Gwalior, Madhya Pradesh
		2.National Level Webinar on Impact of COVID-19 on Indian Labour market	23Jul.2020	Tiruchendur, Tamil Nadu	Dept of Econ., GA College for Women Tiruchendur, Tamil Nadu

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		3. One day National Level Webinar on How to Restart Economy after COVID-19	27Jul.2020	Chikodi	Department of Economics, K.L.E. Societys Basavaprabhu Kore Arts Science and Commerce College, Chikodi
		4. National Webinar on COVID-19 and its impact on Human Development	29Jul.2020	Bengaluru	Bengaluru University, Bengaluru
		5. One day National Webinar on Impact of COVID-19 on Agriculture : Challenges and Opportunities	05Aug.2020	Gadchandur, Chandrapur	Sharadrao Pawar College, Gadchandur, Chandrapur
		6. International E-Conference on Digital education: Scope and challenges in India	27-28 Jun 2020	Meerut	Bhartiya Shikshan Manadal, Meerut Prant & Chaudhary Charan Singh University, Meerut
23	Dr.J.M. Deshmukh	1. Agriculture Education in Present Perspective	03Dec. 2020	Udaipur, Rajasthan	College of Community and Applied Sciences, Maharana Pratap University of Agri. & Technology, Udaipur, Rajasthan
		2. International Extension Education Conference on Role of NGOs in Extension Services: Opportunities & Challenges	27-30 Dec.2020	Varanasi	Banaras Hindu University, Varanasi
24	Dr.S.J. Magar	1. Use of e-content in teaching literature	29Jul. 2020	Kada, Ashti, Beed.	Anandrao Dhonde Alias Babaji

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					Mahavidyalaya Kada, Tal- Ashti, Dist-Beed.
		2.Invasive and Migratory Pest Management; Challenges and Way forward	23No. 2020	ASSOCHAM, New Delhi.	ASSOCHAM, New Delhi.
		3.IPS West Zone Virtual Symposium on Probing Beneficial Microorganism for Next Green Revolution	25-26 Feb. 2021	PDKV, Akola.	PDKV, Akola.
25	Dr. V.K. Bhamare and Dr. D.G. More	1.67 th Board of Studies meeting and Technical Programme meeting (Vide Lr. No.GZE/362/20 dated 02.06.2020)	19 Jun. 2020	VNMKV, Parbhani	DOE, VNMKV, Parbhani
26	Dr. D.G. More	2.District Level (Latur) Workshop of CROPSAP Project on How to record observations and fill data sheets?	04Jun. 2020	SAO, Latur	SAO, Latur
27	Dr.N.M. Tamboli	1.National Webinar on use of e- content in teaching literature	28Jul. 2020	Ashti, Beed	Anandrao Dhonde Alias Babaji Arts, commerce and Science College , Ashti, Dist.Beed
		2.EBSCO	24 Nov. 2020	EBSCO	EBSCO
28	Prof. Pole S.P.	1.National Webinar on Recent Biotechnological Tools for Crop Improvement	24Jun. 2020	Lam, Guntur (A.P.).	Advanced PG Centre, Acharya N.G.Ranga Agri. University, Lam, Guntur (A.P.).
		2.National Webinar 2020 on Crop Improvement for Food and Nutritional Security: Challenges and Opportunities	07-11 Jul. 2020	Jorhat.	Dept of Plant Breeding and Genetics, Assam Agricultural University, Jorhat.
29	Prof.M. J.	1.Participated in 3 rd National conference	10-11 Jan 2020	Pune	MIT college of

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Patange	Sustainable Agricultural Development for food security and Nutrition			management, Pune
	2.Webinar on Climate Smart Agriculture & Entrepreneurship Development	16 May 2020	Navha, Jalna.	RMTs R.M. CoA, Navha Dist. Jalna.
	3.National Webinar on E- Education in agricultural sciences in the age of social distancing: Opportunities, challenges & strategies	05Jun. 2020	Jorhat	NAHEP, Assam Agricultural University, Jorhat
	4.Webinar on Sustainable lifestyle through yog in COVID-19 Environment	21Jun. 2020	Jabalpur (MP)	JNKVV Jabalpur (MP)
	5. Power of Digital Manufacturing (3D Printing) for New Product Development	25 Jun. 2020	VNMKV, Parbhani	CAAST CEDFSR DA, NAHEP, NMK, Parbhani
	6.National Webinar on Advances in Geospatial Science & Technology	26- 30Jun. 2020	Noida, UP, India	Amity Institute of Geoinformatics and Remote sensing, AU, Noida,
	7.National Webinar on Agriculture Biotechnology for Mitigating climate change	03Jul. 2020	Sabour, Bhagalpur	BAU Sabour, Bhagalpur
	8.National Webinar Series on Immuno Nutrition, Wellness Management & Livelihood Change	03-05 Jul. 2020	Jorhat	AAU, Jorhat in association with ICAR-CIWA, Bhubaneswar
	9.Webinar Moodle: Online teaching management tool	06Jul. 2020	Aurangabad	Dept. of Mgt. Science, Dr.BAMU, Aurangabad
	10.National webinar on Crop improvement	07-11Jul.2020	Jorhat.	Department of Plant

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		for food and nutritional security: Challenges and opportunities			Breeding and Genetics, Assam Agricultural University, Jorhat.
		11.Webinar on Entrepreneurial Opportunities in agriculture sector	12 Sept. 2020	Nashik	K.K.Wagh College of Agri. Business Management, Nashik
		12.International web conference on Food security through sustainable agriculture (FSSA)	22 Sept. 2020	Indore (M.P.)	SVVV, Shri. Vaishnav Institute of Agriculture, Indore
		13.Internal webinar on Agricultural research through knowledge discovery	23 Feb. 2020	Kuala Lumpur Malaysia	EBSCO Information Services, Kuala Lumpur Malaysia
		14.Online lecture series -2020 Innovative Approaches towards managing Soil Health for Climate Smart Agriculture	05 Sept. - 05 Dec. 2020	VNMKV, Parbhani	Parbhani chapter of ISSS, Dept. of SSAC, VNMKV, Parbhani
30	Dr Shinde V.N.	1.Recent Advances & Instrumentation in Agricultural Meteorology	26 May - 02 Jun. 2020	VNMKV, Parbhani	NAHEP, ICAR, New Delhi
		2.Carbon Sequestration in Climate Smart Agriculture	11 – 13 May 2020	CAAST, NAHEP and MPKV, Rahuri	CAAST, NAHEP and MPKV, Rahuri

V.D. College of Agricultural Biotechnology, Latur

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Sr. No	Name of participant	Title of National/International seminars/ symposia /workshop/ training/consultancy visits/special assignment etc.	Duration with date	Place	Organizing Agency
2018 -2019					
1	Dr. Dhawale, R. N.	1.National Conference: National Conference of Sociology on Globalization and Rural Transformation in India	28 Feb.2018	Phulambri-Aurangabad	S.S.S.M.G.M., Phulambri and Dr. B.A.M.U., Aurangabad, MS.
		2.International Conference: International Conference on Advances in Agriculture and Allied Science Technologies for Sustainable Development	10-11 Feb. 2018	Hyderabad	Genesis Urban and Rural Development Society,Hyderabad, ICAAASTSD-2018
		International Fellowship for workshop: Transformative Rice Breeding: Breeding Program Modernization (Knowledge sharing & showcasing activities with NARES of South Asia)	08-10 Oct.2018	IGKV, Raipur (CG)	IRRI, Los Benos, Philipines.
2	Dr. Chavan, R.L.	Presented Lead Lecture in National conference on Advances in Agriculture & Allied Sciences	04 Oct. 2018	Beed	Aditya Agricultural Education Group, Beed
3	Dr. Dudhare, M.S.	Participated in workshop on Transformation of Rice Breeding programme	08- 10 Oct. 2018	IGKV, Raipur (CG)	IRRI, Los Benos, Philipines.
4	Dr. Chavan, R.L.	Presented Progress Report of DBT sponsored PG Teaching Programme at 3 rd Task Force Meeting of DBT	12- 13Dec. 2018	Dept. of Biotech., Govt. of India, New Delhi	Dept. of Biotech., Govt. of India, New Delhi
5	Dr. Bhagat, Y.S.	Participated in Maharashtra State Innovation Society Incubator Training	17Dec. 2018	At University of Mumbai, Mumbai	MSInS, Govt. of Maharashtra

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		Bootcamp programme			
6	Dr. Chavan, R.L.	Participated in Maharashtra State Innovation Society Incubator Training Bootcamp programme	17 Dec. 2018	At University of Mumbai, Mumbai	MSInS, Govt. of Maharashtra
7	Dr. Dhawale, R. N.	Winter School Training: Abiotic stress : Advances, Impact and Prospectus	06-26 Feb. 2019	Dept. Crop Physiology, AAU, Jorhat, (Assam)	ICAR-sponsored winter school
8	Dr. Surve, V.D.	Presented Poster paper in 8 th International Food Convention 2018	12.- 15 Dec. 2018	CFTRI, Mysore	CFTRI, Mysore
9	Dr. Bhagat, Y.S.	Food and Nutritional Security Conclave during	25-27 Feb. 2019	MPKV, Rahuri	MPKV, Rahuri
2019 - 2020					
1	Dr. Chavan, R.L.	Presented research paper in the XIX International Plant Protection Congress IPPC-2019 on theme Crop Protection to outsmart climate change for food security & environmental conservation held at HIIC, Hyderabad.	10-14 Nov. 2019	ICRISAT, Hyderabad	ICRISAT, Hyderabad
2	Dr. Dhawale, R. N.	National Conference attended: Innovations in Biological Sciences	10 Jan. 2020	Dept. of Biosciences, SU, Raajkot	UGC, CAS SU., Raajkot
3	Dr. Chavan, R.L.	Participated & completed refresher course titled Gene Cloning, Protein Biochemistry Structure Biology & Bioinformatics	13 – 24 Jan 2020	ACTREC, Navi Mumbai	ACTREC, Navi Mumbai
4	Dr. Bhagat, Y.S.	Participated and completed refresher course titled Gene Cloning, Protein Biochemistry Structure Biology & Bioinformatics	13- 24Jan. 2020	ACTREC, Navi Mumbai	ACTREC, Navi Mumbai
2020 -2021					
1	Dr. Bhagat, Y.S.	1. Participated in the one week national Online training program e-Resources of Libraries and Publication Ethics	20- 24April. 2020	MPKV, Rahuri	CAAST, MPKV, Rahuri
		2. Participated in National Webinar on	30April. – 02	MPKV, Rahuri	CAAST, MPKV,

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		Applications of Omics in Climate Smart Agriculture	May2020		Rahuri
		3. Participated in the one week training program on Recent Trends in Academic Writing	20 -24 May 2020	VNMKV, Parbhani	VNMKV, Parbhani
		4. Recent Physio-Molecular Digital Tools in Abiotic Stress Management for Crop Modeling	30.06.2020 to 03.07.2020	VNMKV, Parbhani	VNMKV, Parbhani
2	Dr. Dhawale, R. N.	International training on: Advance digital and biotechnological tools in modern agriculture	04-08 Jun2020	VDCOAB, VNMAU, Parbhani	ICAR-NAHEP VNMKV Parbhani
3	Dr. Bhagat, Y.S.	Participated in the International E-conference on Genetics and Plant breeding Research	13-14Jun.2020	Ch. Charan Singh University, Meerut.	Ch. Charan Singh University, Meerut.
4	Dr. Chavan, R.L.	Participated in the national webinar Introduction to Genome editing and its and its application to Plant Virus Control	14July. 2020	K.K. Wagh CoA Biotech., Nashik	K.K. Wagh CoA Biotech., Nashik
5	Dr. Dhawale, R. N.	New educational environment through information technology	15- 21July.2020	COA, PDKV, Akola	ICAR-Dr. PDKV, Akola
6	Dr. Bhagat, Y.S.	Participated in National Webinar on Biotechnology for Crop Improvement	29- 30July.2020	CABT, Madadgaon	CABT, Madadgaon
7	Dr. Dhawale, R. N.	1. Indian agricultural education system and entrepreneurship scope in 21 st century	05-14.08.2020	COA, Faculty of Agril. Engg. PDKV, Akola	ICAR-NAHEP Dr. PDKV, Akola
		2. International training on:Recent physio-molecular digital tools in abiotic stress management for crop modeling	29 June-03 July, 2020	NAHEP VNMKV, Parbhani	NAHEP VNMKV, Parbhani
		3. Live Webinar Series on:Application of omics in climate smart agriculture	30April – 02 May 2020	CAAST for CSAWM	ICAR-NAHEP MPKV, Rahuri
		4.National Online workshop on: Bioinformatics: concepts, tools and database	27-28 July, 2020	KJ Somaiya College of science and commerce,	Research development Committee,

Faculty and Staff Development

				Mumbai	KJSCSC, Mumbai
8	Dr. Bhagat, Y.S.	Paper presented in the International E-Conference on Advances and Future Outlook in Biotechnology and Crop Improvement for Sustainable Productivity	24.11.2020 to 27.11.2020	University of Horticultural Sciences, Bagalkot	University of Horticultural Sciences, Bagalkot and CoA, Bengaluru
9	Dr. Dhawale, R. N.	Completed e-quiz on: World Environment Day	15 June, 2020	Dept. of Chemistry,	SC Mahavidyalaya, Ardhapur-Nanded
		Completed e-quiz competition on: General computer knowledge	14 July, 2020	Dept. of computer science and application association with	Dept. of computer science and application association with
10	Dr. Chavan, R.L.	Participated in the one week International Online training program Recent Physio-Molecular Digital Tools in Abiotic Stress Management for Crop Modeling	29.06.2020 to 03.07.2020	CAAST, NAHEP, VNMKV, Parbhani	CAAST, NAHEP, VNMKV, Parbhani
11	Dr. Dhawale, R. N.	1. Online workshop on: HPTLC technique and its applications in agriculture	03 Nov, 2020	ASPEE CHF, NAU, Navsari	ASPEE CHF, NAU, Navsari
		2. Online national conference on: Remembering great leaders of India	22-23 June, 2020	GIFS, Nagpur	GIFS, NSS Unit, Nagpur
		3. International virtual conference on: Advanced materials for energy and environmental applications-2020	26-27 June, 2020	IRCBU, Tiruchirappalli, TN	IRCBU, Tiruchirappalli, TN
12	Dr. Bhagat, Y.S.	Participated in the one week training on Precision 4.0: Precision and Automated Ag Technologies	20.Sept.- 02Oct. 2020	MPKV, Rahuri	CAAST, MPKV, Rahuri
13	Dr. Hinge V.R.,	Acted as Co-chairman in the Molecular techniques in plant protection session during National symposium on Plant Health Management	02.11.2020 to 04.11.2020	Dept. of Plant Path. and Ento., CoA, NAU, Gujarat	Dept. of Plant Path. and Ento., CoA, NAU, Gujarat
14	Dr. Chavan, R.L.	1. Participated in the Online webinar on Writing Research Papers for High Impact	15.12.2020 to 17.12.2020	CAAST and CSAWM, MPKV,	CAAST and CSAWM, MPKV,

Faculty and Staff Development

		Factor Journals and Effective Research Proposals		Rahuri	Rahuri
		2.Participated and presented research paper titled Candidate flowering genes expression during the ba_le of pigeonpea sterility mosaic virus in pigeonpea (<i>Cajanus cajan</i> (l) Millsp.) in the IPS national e-conference	25.03.2021 to 27.03.2021	ICAR-Indian Agricultural University (IARI), New Delhi	ICAR-Indian Agricultural University (IARI), New Delhi
2021-2022					
1	Dr. Chavan,R.L.	Participated and completed Online training program titled Intellectual Property Rights & Innovations	27.10.2021	Anand Agricultural University, Anand, Gujrat	Anand Agricultural University, Anand, Gujrat
2	Dr. Hinge,V.R.	Participated and completed Online training program titled Intellectual Property Rights & Innovations	27.10.2021	AAU, Anand, Gujrat	AAU, Anand, Gujrat
3	Dr. Chavan,R.L.	Participated and worked as Rapporteur in the National Symposium of IPS-WZ titled Achieving sustainability in crop production through alimentation and plant protection.	17.11.2021 to 18.11.2021	College of Agriculture, Latur	College of Agriculture, Latur
4	Dr. Hinge, V.R.	Participated and worked as Rapporteur in the National Symposium of IPS-WZ titled Achieving sustainability in crop production through alimentation and plant protection	17.11.2021 to 18.11.2021	College of Agriculture, Latur	College of Agriculture, Latur
5	Dr. Bharose, A.A.	Participated and worked as Rapporteur in the National Symposium of IPS-WZ titled Achieving sustainability in crop production through alimentation and plant protection.	17.11.2021 to 18.11.2021	College of Agriculture, Latur	College of Agriculture, Latur
6	Dr. Surve,V.D.	Participated in the National Symposium of IPS-WZ titled Achieving sustainability in crop production through alimentation and plant protection	17.11.2021 to 18.11.2021	College of Agriculture, Latur	College of Agriculture, Latur
7	Dr. Chavan,R.L.	Participated and completed MOOC course titled Digital Teaching Techniques	01.12.2021 to 31.12.2021	ICAR-NAARM, Hyderabad	ICAR-NAARM, Hyderabad

Faculty and Staff Development

8	Dr. Hinge, V.R.	Participated and completed MOOC course titled Digital Teaching Techniques	01.12.2021 to 31.12.2021	ICAR-NAARM, Hyderabad	ICAR-NAARM, Hyderabad
9	Dr. Bhagat, Y.S.	Participated and completed MOOC course titled Digital Teaching Techniques	01.12.2021 to 31.12.2021	ICAR-NAARM, Hyderabad	ICAR-NAARM, Hyderabad
2022 - 2023					
1	Dr. Chavan, R.L.	Participated in the Hands on Training Program on CRISPR/Cas9 Gene Editing Technologies in Plants	10.10.2022 to 14.10.2022	ICRISAT, Hyderabad	ICRISAT, Hyderabad
2	Dr. Bhalerao, S.R.	Participated in the Hands on Training Program on CRISPR/Cas 9 Gene Editing Technologies in Plants	10.10.2022 to 14.10.2022	ICRISAT, Hyderabad	ICRISAT, Hyderabad
3	Dr. Jahagirdar J.E.	International Conference on Pulses: Smart crop for Agril Sustainability & Nutritional Security	10.02.2023 to 12.02.2023	ICAR, New Delhi	IIPR, Kanpur & ICAR, New Delhi
4	Dhawale, R. N.	Academic Management System (VNMKV towards e-Academics)	28.02.2023 to 01.03.2023	VNMAU, Parbhani	ICAR-NAHEP
5	Dr. Jahagirdar J.E.,	Academic Management System (VNMKV towards e-Academics)	28.02.2023 to 01.03.2023	VNMAU, Parbhani	ICAR-NAHEP

College of Agriculture, Golegaon

2019 -2020					
Sr. No.	Name of participant	Title of National/International seminars/symposia/workshop/training/consultancy visits/special assignment etc.	Duration with date	Place	Organizing Agency
1.	Dr. Devkule, S. N.	1. Current Trends and Ethical Aspects in Scientific Writing	27.05.2020 to 31.05.2020	CoVAS, Parbhani.	MAFSU Nagpur.
		2. Recent Physio Molecular Digital Tools in Abiotic Stress Management for Crop Modeling	29 Jun. to 03Jul. 2020.	NAHEP, VNMKV, Parbhani	ICAR, New Delhi & World Bank
2.	Dr. Rathod, P. K.	1. 84 th Annual Convention of Indian Society of Soil Science at Dept. of Soil Science and Agril. Chemistry, Institute of Agril. Sciences, BHU, Varanasi	15-18 Nov., 2019.	Varanasi	Dept. of SSAC IAS, BHU, Varanasi (UP)

Faculty and Staff Development

		2. Frontier Technologies for Climate Resilient Agriculture	17-18 Feb., 2020	Akola	ACISSL Dr. PDKV., Akola
2020 – 2021					
1.	Dr. Asewar, B.V.	1. Decentralized extension strategies for Rain fed agriculture	January 20-22, 2021	Hyderabad	MANAGE, Hyderabad
		2. Strengthening of Rainfed agriculture production system for doubling farmers income	January 20-22, 2021	Hyderabad	MANAGE, Hyderabad
2021 – 2022					
1.	Dr. Asewar B.V.	International webinar on Fostering Global collaboration among Agril. Higher Education Institutes	Nov. 8-9 , 2021	NAARM, Hyderabad	NAARM, Hyderabad
2.	Dr. Rathod P. K.	Soil Health and Climate Resilience : Need for Sustainable Agriculture	Dec. 15-16, 2021	Dr. BSKKV., Dapoli	ICAR ISSS, New Delhi & DCISSL Dr. BSKKV., Dapoli
2022 - 2023					
1	Dr. Asewar B.V.	Harnessing the Potential of Natural Farming (Regenerative agriculture) as a Low-Emission Development Pathway for improved Resilience, Soil Health, Livelihoods and Nutrition in India	15-17 th Sep, 2022	ICRISAT, Hyderabad	ICRISAT, Hyderabad

College of Community Science, Parbhani

Sr No	Name of participant	Title of National/International seminars/symposia/workshop/training/consultancy visits/special assignment etc.	Duration with date	Place	Organizing Agency
2018 - 2019					
1.	Dr. Nalwade, Vijaya	1.The National conference	11- 12 Jan. 2018	RTMU, Nagpur.	Dept of Home Science
		2.Food Fiesta-2018	27 th February 2018	ChatrapatiShahu Secondary School & Finics Academy Primary School,	Chatrapati Shahu Secondary

Faculty and Staff Development

				Parbhani	School
2019 - 2020					
1.	Dr. Farzana, Farooqui	Attended International Workshop on Digital Farming Practices by Agribots , Agri-Drones and Agri- AGVs	13 to 15 March 2020.	NAHEP, VNMKV, Parbhani	NAHEP, VNMKV, Parbhani
2020 - 2021					
1	Dr. Arya Asha	Participated in Work shop and delivered lecture on Improve Immunity and Fight with Corona	05-05-2020	Online	PMC
		Participated in Work shop and delivered lecture on Diet Planning for Health	28-05-2020	Online	CoA, VNMKV, Parbhani
2	Dr. Khan, T. N.	international webinar on Nutri-Sensitive Agriculture Approach on Food and Nutrition Security UAS,	09-03-2021	Banglore	Food and Nutrition Security UAS Banglore
		Webinar on Partnering Women in Value Chain Development: A Promising Way for Creating Sustained Livelihood and Agripreneurship	17-03-2021	New Delhi.	ICAR Central Institute, New Delhi.
3	Ms. Nerlekar, Jyotsna	AICRP- Food and Nutrition in Audio Conference	12/8/2021	Online	AICRP and Reliance foundation
2021-2022					
1	Dr. Khan, T. N.	Participated in Work shop and delivered lecture Balanced diet to boost immunity	1/7/2021	Online	Dept. of Food Sci. and Nutrition
		International Conference Dietary approach for management of over nutrition among obese women	24-25 June 2021.	Online	TU, Tezpur, Assam, India
		Participated in Work shop and delivered lecture Kami kharchat poushtik aahar	6/8/2021	KVK, Solapur	KVK, Solapur
		Attended Webinar on Nutritional safety through consumption of locally available foods	26/8/2021	KVK Badnapur	KVK Badnapur

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		International conference on Bhart Poshan Saptah (week)	7/9/2021.	Online	
		Webinar on Addressing Comprehensive need of adolescent girls in India.	24.01.2022	Online	
2	Ms. Nerlekar, Jyotsna	AICRP- Food and Nutrition in Audio Conference on	12/8/2021	Online	AICRP and Reliance foundation
2022 – 2023					
1	Dr. Khan, T. N.	Annual Workshop 2022-23 of AICRP-Women in Agriculture	12 to 13 May, 2022	Bhubaneswar	ICAR- CIWA, Bhubaneswar.
		Attended 101 DICC meetind of BSMA	15.07.2022	Online	Agriculture University, Dapoli
		Organized Poshan Maha Celebration 2022	1-30 september	Dept. Food Sci. and Nutrition	Dept. Food Sci. and Nutrition
		5th International Conference on Food and Nutrition	16.11.2022 and 17.11.2022	Online	Universal Society of Food and Nutrition
		workshop on Global Food and Nutritional Security and Sustainable Development through Major and Minor Pulses organized by	14.10.2022	Online	ICAR-ICRISAT, ICARDA

Dept. of Human Development and Family Studies

2018 – 2019					
S. No	Name of participant	Title of National/International seminars/symposia/workshop/training/consultancy visits/special assignment etc.	Duration with date	Place	Organizing Agency
1	Prof. Patnam, Vishala	One day Note Writing Workshop	14.11.2018		Krishi Vidnyan Mandal, Krishi Mahavidyalaya, Pune
2	Dr. Bangale Jaya	One day Note Writing Workshop	14.11.2018		Krishi Vidnyan Mandal, Krishi

Faculty and Staff Development

					Mahavidyalaya, Pune
2019 – 2020					
1	Dr. Bhalerao, Veena	workshop on Jolly Phonics for enhancing phonic sounds in english	16-17 June 2019		Kids Hub Preschool, Parbhani.
2	Dr. Bangale, Jaya	Training on a Legislative Assembly of Maharashtra State General Election-2019	6-13 Oct.2019		Collector Office, Parbhani
2020 – 2021					
1	Dr. Bangale, Jaya	1.Direct phone in calling programme on Care to be taken for control on Covid-19 pandemic.	8,13,20,23 April 2020	Dist. Jalna, Beed, Aurangabad, Dhule & Nandurbar	Reliance Foundation
		2.Direct phone in calling programme on Care to be taken for control on Covid-19 pandemic.	1-5-2020	Beed district.	Reliance Foundation
2	Dr. Bhalerao, Veena	Training programme on Recent trends in academic writing.	20-24 May 2020		University Library & Dept. of Ext. Education, VNMKV, Parbhani.
3	Dr. Jaya Bangale	one week National Online training programme on Covid-19 Pandemic: Impact and Strategies for Agricultural Education	9-13 June 2020		NAHEP VNMKV, Parbhani.
4	Dr. Bhalerao, Veena	National Online training programme on Covid-19 Pandemic: Impact and Strategies for Agricultural Education	9-13 June 2020		NAHEP VNMKV, Parbhani.
5	Dr. Jaya Bangale	International webinar on Nutrition and Immune System Support during Covid-19 Pandemic	15-16 June 2020		Dept. of Home Science, Sri Padmavti Mahila Vishva Vidyalayam, Tirupati
6	Dr. Bhalerao, Veena	1.National webinar on Challenges in higher education due to Covid-19	16-6-2020		Durga Banmeru Science College, Lonar Dist. Buldhana.
		2.Online training programme on topic Effective Online teacher	10-17 Aug 2020		You tube channels: GeoEntire, Fisheries only and Shiksha Preneur, Hingoli

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7	Dr. Jaya Bangale	Online workshop orientation programme on POCSO Act & Lts amendment	19.11.2020		NIPCCD
8	Dr. Bhalerao, Veena	Online training on Communication skills for better extension services	15-16 December 2020		KVK, Sagraoli, Nanded & Extension Education Institute, AAU, Anand Gujrat.
9	Dr. Jaya Bangale	Online workshop on Cognitive Behavioural Therapy & Mindfulness Based Cognitive Therapy	22 January 2021		Radix Malik Health Care & Ansaar Welless Centre, New Delhi.
2021 – 2022					
1	Dr. Bhalerao, Veena	Online three days International training series on Healthy Workplaces Initiative; Ergonomics	21,28 June and 05 July 2021		Home Science, College of Community and MPU of Agriculture and Technology, Udaipur, Rajasthan
2	Dr. Jaya Bangale	Online workshop in All India Higher Education Survey Program in the year 2020-21	17-2-2022		VNMKV, Parbhani.
3	Dr. Bhalerao, Veena	Online workshop in All India Higher Education Survey Program in the year 2020-21	17-2-2022		VNMKV, Parbhani.
1 April 2022 to 31 March 2023					
1	Dr. Bhalerao, Veena	1.Short visit to Yunus Center, Asian Institute of Technology, Bangkok, Thailand	16-26 Mar. 2023	Bangkok, Thailand	NAHEP, VNMKV, Parbhani
		2. Online training on Cyber Security Awareness for Women ,	12 May 2022	DR. BAMU and KSKS College Beed.	DR. BAMU and KSKS College Beed.
2018 – 2019					
1	Dr. Sarambekar, Hemangini	Training Programme on Health Food	1-3-2019 – 2-3-2019	College of Community Science, VNMKV, Parbhani	Food Science and Nutrition, College of Community Science, VNMKV, Parbhani

Faculty and Staff Development

		Workshop	14.11.2018	Parbhani	Maharashtra Rajya Marathi Vishwakosh Nirmitti Mandal & MPKV, Rahuri
2019 – 2020					
1	Dr. Sarambekar, Hemangini	On the eve of international Yuva Kaushalya day	15.07.2019		
2	Dr. Rodge, Jayshree	1.Training programme on e-Extension	15-11-2019 to 1-12-2019	Online	agMOOCs
		2.Workshop organized on the topic Livelihood Security of Farm Womens for the KVK, SMS	28 to 29 Feb, 2020		AICRP-Home Science, VNMKV, Parbhani
2020 – 2021					
1	Dr. Jayshree Zend	Training programme on the topic Impact of COVID – 19 on Agriculture Education	09 to 13-06-2020	Online	NAHEP, VNMKV, Parnhani,
2	Dr.Kulkarni, Madhuri	Workshop on MS Excel and SPSS	On 02-08-2020	Online	Iruditus Training Foundation, Akola
3	Dr. Kulkarni, Madhuri & Dr. Jayshree Rodge	Training on Ergonomics Methodologies for Designing and Assessing Women Friendly Agricultural Tools and Technologies	Five days 17 to 21 August, 2020	Online	College of Community and Applied Science, MPUAT, Udaipur, Rajasthan
4	Dr. Rodge, Jayshree	1.Training on UG, PG and Ph.D. First year admission process 2020-21	On. 25-11-2020	Online	ICAR, New Delhi
		2.Training on UG first year admission process 2020-21	On. 26-11-2020	Online	Maharashtra IT Corporation Limited
		3.Training on Gender Mainstreaming in Agriculture and Allied Sectors	Five days 22 - 26 February, 2021	Online	College of Community and Applied Sciences, MPUAT, Udaipur, Rajasthan
2021 – 2022					
1	Dr. Kulkarni, Madhuri	International training on Healthy Workplaces Initiative; Ergonomics	21, 28 June, &	Online	DoR MPUAT, Udaipur, Rajasthan

Faculty and Staff Development

	Dr. Jayshree Rodge		05 July, 2021		
2	Dr. Rodge, Jayshree	Training on Food Trades, Innovation and Business	26-07-2021 to 30-07-2021	Online	Dep. of Agri. Engg., Aurangabad
3	Dr. Rodge Jayshree	Promoting Women Agri preneurship through Crop – Livestock – Fisheries Technologies	14 to 18 September, 2021	Online	ICAR – CIWA and MANAGE, Hyderabad
4	Dr. Kulkarni Madhuri	Workshop on Money Literacy	07.02.2022	Daithana, Parbhani	CoCS, VNMKV, Parbhani
5	Dr. Kulkarni Madhuri & Dr. Jayshree Rodge	Training programme on Occupational Health Hazards and Safety Measures for Health Care Workers	23 rd to 25 th March, 2022	Online	CoCS, MPUAT, Udaipur, Rajasthan and NAHEP
2022-2023					
1	Dr. Kulkarni Madhuri	Brainstorming workshop on Community Science Syllabus and NEP 2020	On 21-04-2022	Online	CoCS, MPUAT, Udaipur
2	Dr. Rodge, Jayshree	RAWE programme Workshop	20-09-2022	Pandhari (Alapur),	CoCS, VNMKV,
		Annual Workshop 2022-23 of AICRP-Women in Agriculture	12 to 13 May, 2022	ICAR- CIWA, Bhubaneswar	ICAR- CIWA, Bhubaneswar
3	Dr. Kulkarni, Madhuri	BSMA PG & Ph.D Syllabus (RMCS)	June, 2022	Online	DICC, MCAER, Pune
		Syllabus framing of Computer aided Interior designing I, & II, 3(1+2) under VI Deans programme	19.09.2022	Online	6 th Dean Committee, ICAR, New Delhi
		Mahilasathi kam karanyachya sulabh ani shastrokt padhati	23-03-2023	Krishi Vidnyan Kendra Sagaroli	CoCS, VNMKV, Parbhani
Dept. of Textile and Apparel Designing					
2018 – 2019					
1	Prof. Umarikar, Medha	Emerging trends in green Textiles fashion	3.2.2018	Nasik	---

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2	Dr. Siddiqui, Irfana	Dynamics of Teaching Learning	1.11.2018 to 30.11.2018	Hyderabad	ICAR-NAARM, Rajendra Nagar Hyderabad
3	Dr. Sunita Kale	National workshop Hygiene products –Raw materials, product development and quality control	13.11.2018 to 15.11.2018	Coimbatore	SITRA, Coimbatore
4	Dr. Sunita Kale	An International conference APSERI 2019	2.03.2019 - 4.03.2019	Mysore	Indian Silk Board Mysore
5	Dr. Siddiqui, Irfana	Personality Development	4.3.2019 to 6.3.2019	Parbhani	College of Community Science VNMKV Parbhani
2019 - 2020					
1	Dr. Siddiqui, Irfana	1.Teaching Excellence	1 .11.2019to 30.11.2019	Hyderabad	ICAR, TELAGE, NAARM, MOOC Hyderabad
		2.Digital Farming Practice by Agri bots, Agri-Drones	13.3.2020 to 15.3.2020	Parbhani	NAHEP VNMKV Parbhani
2020 – 2021					
1	Dr. Kale, Sunita	1.Recent Trends in Academic Writing	20.05.2020 to 24.05.2020	Parbhani	VNMKV, Parbhani
		2.Community Science : Linkages and way forward	3.06.2020	Udaipur	MPAUT, Udaipur
		3.Research Methods and Advance Data Analytics	17.06.2020to 21.06.2020	New Delhi	New Delhi
2	Dr. Kale, Sunita & Umarikar, Medha	Enhanced Employability For Home Scientists in Current Scenario	22.06.2020to 23.06.2020	Nagpur	RTM University, Nagpur
3	Dr. Kale, Sunita	1. e-Resources in Agriculture (CeRA) – DKMA-ICAR,	25.06.2020 One day	Hisar	HAU, Hissar

Faculty and Staff Development

		2. Tools for Online Teaching Learning and Evaluation, from	1.07.2020to 6.07.2020	Nanded	SRT University, Nanded
		3. Immuno - Nutrition, Wellness Management & Livelihood Change	3.07.2020 to 5.07.2020	Bhubaneshwar	AAU, Assam and CIWA
		4. Scientific Writing Skills For Social Science Researchers	24.07.2020	Delhi	Delhi
		5. Women in Science and their roles in sculpting modern agriculture	26.08.2020	BAU	BAU & CIMMYT, Mexico
		6. Women FPOs: An Effective Approach for Boosting Entrepreneurship, Empowerment and Self Reliance	10.09.2020	Udaipur	AICRP-HS, MPUAT, Udaipur
		7. Nutri-sensitive Agriculture: A Way to Empower India for a Healthier Future	29.09.2020	Tura	CoCS, CAU, Tura
		8. RAC meeting of ICAR CIWA	28.10.2020	Bhubaneshwar	ICAR CIWA, Bhubaneshwar
4	Dr. Siddiqui, Irfana	1. Webinar Impacts of Textiles 2020	10.11.2020	Coimbatore	Dept. of Textiles & Apparel Designing Coimbatore
		2.Fiber to Fashion Technology	30.10.2020 to 30.11.2020	Nanded	GGs CoT,
		3.National Webinar on Farming & Entrepreneurship Development	10.12.2020 One day	Dharwad	Dept of TAD UAS, Dharwad
5	Dr. Kale, Sunita	Humanising Work and Work Experiences	10.12.2020 to 12.12.2020	Mumbai	Mumbai
6	Dr. Siddiqui, Irfana	1.Webinar Opportunities for Textile Technologist in Textile & Allied Industries	10.12.2020 To 11.12.2020	Mumbai	NMIMS Textile Functions Mumbai
		2.Future of Fashion;AI,LOT,AR,VR,Rbatics Sensors & Big Data Analysis	14.12.2020 to 26.12.2020	Mumbai	NMIMS Textile Functions, Mumbai

Faculty and Staff Development

		3.Characterization Techniques in Textiles & Polymers	15.12.2020 to 19.12.2020	Jalandhar	Textile Technology Dept Jalandhar
		4.Faculty Orientation Programme on National Education Policy	12.1.2021to 13.1.2021	Bengaluru	Maharai Laximi Ammanni College for women ,Banglor
7	Dr. Siddiqui, Irfana & Dr. Kale, Sunita	Inspiring Young Minds in Community Science: Journey of Successful Personalities	21.1.2021	Udaipur	College of Community Science Udaipur
2021 – 2022					
1	Dr. Siddiqui, Irfana	1.Pedagogical Techniques and Proactive Academic Delivery System	10.4.2021	Delhi	Department of Textile Technology Delhi
		2.Flexible non Metallic Electro Conductive Textiles	29.5.2021	Guntur	Department of TextileTechnology, Guntur
		3.COVID 19 Basics & its Prevention	6.6.2021	Bhiwani	Institute of Textiles & sciences ,Bhiwani
		4.Massive open Online course Theoretical Foundation of Educational Technology	1.6.2021to 30.6.2021	Hyderabad	ICAR-National Academy of Agricultural Research Management
		5.National Webinar Textiles Usage in Medical Textiles with Special Reference two Wound Dressing	14.7.2021	Udaipur	College of Community Science, MPAUT, Udaipur, Rajasthan
		6.Scope & Challenges in Manufacturing of PPE with reference to Face Masks & Coveralls in Covid -19	17.7.2021	Udaipur	College of Community Science, MPAUT, Udaipur, Rajasthan
		7.Textile waste as resource for Technical	29.7.2021To	Coimbatore	Department of

Faculty and Staff Development

		Textile Applications	30.7.2021		Textile Technology & Automobile Engineering PSG of Technology College, Coimbatore
2	Prof.Umrikar, Medha	1.Vastrakala –Batik & Dyeing Craft artisan	7.8.2021	Mumbai	Dept of TFT,College of Home Science Nirmala Niketan, Mumbai
		2.Online programme on Development programme in Textile sector	20.8.2021to 3.9.2021	Agra	Process & product development center , AGRA 9PPDC)
3	Dr. Siddiqui, Irfana Prof.Umrikar, Medha	Innovations in Textiles Product and Process	2.9.2021to 3.9.2021	Ichalkaranji	DKTE I, Ichalkaranji
4	Dr. Siddiqui, Irfana	1.Refresher course Out Come Based Education and National Board of Accreditation	6.9.2021to 11.9.2021	Guwahati	Assam Textile Institute ,Guwahati
		2.Virtual Research opportunities & Challenges	23.9.2021to 24.9.2021	Ernakulum	Department of Home Science & Centre for Research St. Teresas College, Ernakulum
		3.Fashion Design on Fashion Conscious to Fashion Design	27.9.2021	Bengaluru	Department of Fashion Design, Bengaluru
		4.Future of Design 2021	11.11.2021to 12.11.2021	Bengaluru	ICAT ,Design & media College, Bengaluru
		5.Specialty Chemical- Taking the Right path for growth	17.11.2021	Mumbai	Textile Technology College ,Mumbai

Faculty and Staff Development

	6.Sustainable Textile Standard and regulation	18.11.2021	Kolkata	ICAR National Institute of Natural Fiber ,Kolkata
	7.Fabric costing	27.11.2021	Chennai	Textile Association South India Chennai
	8.Textile Wet processing optimization and management sustainable strategies and cost Neutral Techniques	26.11.2021	Mumbai	Society of Dyers and Colorists India, Mumbai
	9.Comprehensive Utilization of Banana Pseudostem for textile and other application	29.11.2021	Coimbatore	Dept of Textile Technology Coimbatore
	10.Better Industrial Practices for Improved Productivity ,various Yarns for Denim Fabrics	30.11.2021	NIMMS shirpur	NIMMS shirpur
	11.Jute Geotextiles- A sustainable Geotechnical Solution	1.12.2021	Kolkata	ICAR National Institute off natural fiber Engineering & Technology ,Kolkata
	12.Environmental & Social Governance in Textile Wet Processing	22.12.2021	Shirpur	Centre for Textile Functions
	13.Exploration & Prospectus of wild silk in India	27.12.2021	Coimbatore	Department of Textile Technology Coimbatore
	14.A Technical webinar on Protective Textile	25.1.2022	Coimbatore	Department of Textile Technology Coimbatore
	15.Current Scenario of Textile waste Recycling	28.2.2022	Coimbatore	Department of Textile Technology Coimbatore
2022 – 2023				

Faculty and Staff Development

54	Dr. Siddiqui, Irfana	1. Sustainable Approaches in Fashion Industry	15.7.2022to 17.7.2022	Chennai	VIT Fashion institute of Technology
		2. Roles & Responsibilities of GETs in Textile Industry	27.7.2022	Shirpur	NMIM Technology Management & Engineering Centre for Textile Function
		3. Technical Textiles :Quovadis	8.8.2022	NISTI Mumbai	Textile Institute for clothing and foot wear
		4. Technological Break through the evolution of Textile Institute for clothing & Foot wear	23.9.2022	Mumbai	Textile Institute for clothing and foot wear
Dept of Community Extension and Communication Management					
2018 – 2019					
1	Dr. Puri, S.G.	Training - Soft Skills Aspects of NICE systems	02-07-2018 to 06-07-2018	Mumbai	MANAGE
2019 – 2020					
1	Dr. Puri, S.G.	Summer School training programme on: ICT Applications in Agricultural Education and Extension	19 Feb 2020 to 10 Mar 2020	ICAR-NAARM, Rajendranagar, Hyderabad	ICAR-NAARM,
2	Dr. Manvar, V.S.	1. 22 nd National Conference of Maharashtra Society of Agricultural Economics	21 st to 22 nd Dec.2019	VNMKV, Parbhani	Dept. of Agricultural Economics, VNMKV, Parbhani
		2. Workshop on Intellectual Property Rights in Legal Framework	28 th Jan.2020	Shri. Shivaji Law College, Parbhani	IQAC, Shri. Shivaji Law College, Parbhani
		3. National Level Workshop on E-Content Development for Effective Teaching and Learning	1 st to 2 nd Feb.2020	DSM, College Parbhani	DSM, College of Parbhani
2020 – 2021					
1	Dr. Puri, S.G.	1.Personality development, Effective Communication Skills and Stress Management	5 Days & 14-18, April 2020	Online	NAHEP, MPKV, Rahuri, Dist.

Faculty and Staff Development

					Ahemadnagar
		2.MOOC - Psychology of Learning	1-15, May 2020	Online	ICAR-NAARM, Hyderabad
		3.Recent Trends in Academic Writing	20-24, May 2020	Online	Uni. Lib. and Dept. of Exten. Edu., VNMKV, Parbhani
		4.Climate Resilient Technologies for Rainfed Agriculture	11-15, June 2020	Online	NAHEP, VNMKV, Parbhani
		5.MOOC - Fundamentals of Agricultural Extension	30-06- 2020	Online	Dept. of Extension Education, BHU, Varanasi
		6.Digital technologies for Smart Agriculture: A Futuristic Plan	10-13, Aug., 2020	Online	PCISA, ISGPB Parbhani and NAHEP, VNMKV, Parbhani
		7.Gender Mainstreaming in Agriculture and Allied Sectors	5 Days & 22-26, Feb., 2021	Online	CoCS and Applied Science, MPUAT, Udaipur
2021 – 2022					
1	Dr. Puri, S.G.	1.MOOC –Theoretical Foundation of Educational Technology	1-30, June 2021	Online	ICAR-NAARM, Hyderabad
		2.Promoting Women Agripreneurship through Crop-Livestock-Fisheries Technologies	14-18Sept, 2021	Online	ICAR-CIWA, Bhubaneswar & MANAGE, Hyderabad
2022 – 2023					
1	Dr. Puri,	1.MOOC – Digital Assessment and Evaluation	1-30, Sept. 2022	Online	ICAR-NAARM,

Faculty and Staff Development

	S.G.	Methodologies			Hyderabad
		2.Workshop cum Training on Effective E-Content Development For Education in Agriculture	21 & 22 Nov 2022.	NAHEP, VNMKV, Parbhani	NAHEP and Dept. of Extn Edu., VNMKV, Parbhani
		3.ICT Led Extension: Content and Delivery Mechanism	12 Jan. to 01 Feb., 2023.	ICAR-IARI, New Delhi	CAFT, Division of Agricultural Extension, ICAR-IARI, New Delhi
2	Dr. Manvar, V.S.	Training Programme for NSS Programme Officer	10 th to 16 th Sept, 2022	NSS-ETI Ahmednagar College,	Ministry of Youth Affairs and Sports NSS – Empanelled Training Institution, Maharashtra
		Effective E-Content Development for Education in Agriculture	21 st to 22 Nov.2022	NAHEP, VNMKV, Parbhani	NAHEP, VNMKV, Parbhani

College of Food Technology

Sr. No.	Name of Participant	Title of National/International seminar/ Symposia/ Workshop/ Training/ Consultancy visit/ Special Assignment etc.	Duration with Date	Place	Organizing agency
2018-2019					
1	Dr. Syed, H.M.	Network Project on Harvesting, Processing and Value Addition of Natural Resins and Gums	18-21 Nov, 2019	Parbhani	College of Food Tech., VNMKV, Parbhani
2	Dr. Syed, H.M. & Prof. Ghatge, P.U.	MULLaRP and All India Network Project on Arid Legumes	19-21 May, 2019	Guntur	ANGRAU, Hyderabad
3	Dr. Machewad, G.M.	1. Emerging Trends for Development of Functional Food	19-21 July, 2019	Nagpur	Veterinary College, MAFSU
		2. Emerging Trends in Microbiological Sciences and IPR	19 Aug, 2019	Beed	Milliya College, Beed

Faculty and Staff Development

2019 – 2020					
1	Dr. Pawar, V.S.	1.IC Pulse 2020 International Conference Pulses the Climate Smart Crops Challenges and Opportunities	10-12 Feb, 2020	Kanpur	ISPRD & ICAR- Indian Institute of Pulses Research, Kanpur
		2.International Conference on Current Research and Approaches in Food Technology-2020	14-15 Feb, 2020	Hyderabad	Dept. of Food Technology & OU Hderabad
		3.National Conference on Emerging Trends for Development of Functional Food	February 6-7, 2020	Mumbai	CoDT, Warud & NABARD, Mumbai
2	Dr. Pawar V. S., Dr Sawate A.R., Ghatge P.U. & Dr. Bhokre C.K.	Food Quality Parameters of Arid Legume in International Conference Pulses the Climate Smart Crops Challenges and Opportunities	10 th to 12 th February, 2020	Bhopal	central Institute of Agricultural Engineering Bhopal(ISPRD)
3	Dr. Pawar V.S.	Technology Development for preparation of complementary foods from moth bean and green peas and its quality assessment	February 6-7, 2020	Warud (Pusad),	ICAR, New Delhi & NABARD, Mumba
4	Dr Pawar V.S.	National Seminar on intellectual property rights in legal frame work	18, Jan 2020	Parbhani	Shivaji college, Parbhani
5	Dr. Machewad, G.M.	Food Microbiology	28, Jan 2020	Thanjavur	IIFPT
		Emerging Trends for Development of Functional Food	8, Mar 2020	Nagpur	Nagpur Veterinary College, MAFSU, Nagpur
2020- 2021					
1	Dr. Pawar, V.S.	1.Personality development, Effective Communication Skills and Stress Management (one week Online)	5 days 14-18, April 2020	Rahuri	CAAST, CSAWM, MPKV, Rahuri
		2.Smart Handling and Processing systems of Horticultural Produce (one week Online)	9-14May 2020	Rahuri	CAAST, CSAWM, MPKV, Rahuri
		3.Webinar on Future of Food Technology-Post COVID -19 (Farm to fork solution)	17th May 2020	CoFT Parbhani	The food agrijob.com
2	Kshirsagar R.B,	Functional properties of protein isolate	5 th Jan 2021	Aurangabad	SIR SAYYED College of

Faculty and Staff Development

	Thakur P.P, and Jadhav, B.A	prepared from Guar meal (Oral presentation)			Arts, Commerce & Science, Aurangabad
3	Prof. Joshi, Anuprita	1.Role of technologies and automation in food processing and preservation	14-19 May 2020	Parbhani	CAAST-NAHEP-VNMKV, Parbhani
		2.International E-Conference on novel nutrition approach and emerging opportunities to sustain pandemic scenario	15-18 June 2020	Puducherry	Department of Nutrition and Dietetics Mount Carmel College Bengaluru
		3.International web conference on impact of COVID-19 on library resource sharing	12-13 June 2020	Aurangabad	MIT Aurangabad
2021- 2022					
1	Prof. Joshi, Anuprita	National workshop on rapid detection of food adulterants	14-18 Mar 2022	Online	Foodtechpatshala.com
2	Dr. Machewad, G.M.	1.New paradigms for agriculture, food and sustainability concerns	--	Raichur	Raichur
		2.Sustainable approaches in food engineering and tech	--	Assam	Tezpur university

College of Agricultural Engineering & Technology

2018 – 2019					
S. No.	Name of participant	Title of National/International seminars/ symposia/ workshop/ training/ consultancy visits/special assignment etc.	Duration with date	Place	Organizing Agency
1.	Ramteke, R.T.	DoPT-SCTP Training programme on Intellectual property Rights	20-22 Aug. 2019	Pune	YASHADA, Pune
		एक दिवसीय कार्यशाळा : नोंद लेखन कार्यशाळा महाराष्ट्र राज्य मराठी विश्वकोश निर्मिती मंडळ आणि महात्मा फुले कृषो विद्यापीठ, राहुरी अंतर्गत कृषी विज्ञान ज्ञान मंडळ, कृषी महाविद्यालय पुणे	१४/११/२०१८	वनामकृवि, परभणी	वनामकृवि, परभणी

Faculty and Staff Development

		आयोजित नोंद लेखन कार्यशाळा			
3.	Solanki, S. N.	1.AIMA-2018 workshop	8.9.2018	Pune	AIMA
		2.AIMA meeting on Mechanization in Production System.	12th sept. 2018	NASC New Delhi	AIMA
		3.Field demonstration of Drone at COA.	17.9.2018	Lodga Dist. Latur	COA Lodga
4.	A.M. Kamble,	Training programme for Softwares (TerrSet, WMS 10.1, Surfer 15 and Global Mapper 19)	04/6/2018 to 16/6/2018	CAET VNMKV Parbhani	Aditi Info-Tech Nagpur
5.	S.D.Payal	Training programme for Softwares (TerrSet, WMS 10.1, Surfer 15 and Global Mapper 19)	04/6/2018 to 16/6/2018	CAET VNMKV Parbhani	Aditi Info-Tech Nagpur
6.	M.R.More	Training programme for Softwares (TerrSet, WMS 10.1, Surfer 15 and Global Mapper 19)	04/6/2018 to 16/6/2018	CAET VNMKV Parbhani	Aditi Info-Tech Nagpur
7.	P. G. More	Entrepreneurship in Agricultural and Renewable Energy Sector.	15-16, 2019.	Dr. PDKV, Akola	NAHEP, CBSDRE, Dept.of ESEE, Dr. PDKV, Akola
8.	डॉ. जाधव एस. बी.	एक दिवसीय कार्यशाळा : नोंद लेखन कार्यशाळा महाराष्ट्र राज्य मराठी विश्वकोश निर्मिती मंडळ आणि महात्मा फुले कृषो विद्यापीठ, राहुरी अंतर्गत कृषी विज्ञान ज्ञान मंडळ, कृषी महाविद्यालय पुणे आयोजित नोंद लेखन कार्यशाळा	१४/११/२०१८	वनामकृवि, परभणी	वनामकृवि, परभणी
9.	V. K. Ingle	Training programme on softwares TerrSet, WMS 10.1,Surfer- 15 and Global Mapper-19	4 –19 June 2018	CAET, VNMKV, Parbhani	CAET, VNMKV, Parbhani
10.	S. B. Jadhav	Training programme on softwares TerrSet, WMS 10.1,Surfer- 15 and	4 –19 June 2018	CAET, VNMKV, Parbhani	CAET, VNMKV, Parbhani

Faculty and Staff Development

Global Mapper-19					
2019 - 2020					
1.	Solanki, S. N.	Workshop on Farm Machinery and Fabricators,	16.08.2019	Nagpur	VANAMATI, Nagpur
2.	P. G. More	Protected Cultivation Technologies for Climate Smart Agriculture	April, 21-29, 2020	CSAWM, MPKV, Rahuri,	CSAWM, MPKV, Rahuri,
3.	P. G. More	Agricultural Engineering 50 years in Service of farmers through Agro-Entrepreneurship.	29-30, Nov, 2019	Dr. PDKV, Akola	NAHEP, CBSDRE, Dept.of ESEE, Dr. PDKV, Akola
2020-2021					
1.	Solanki, S. N.	Indian Agricultural Education System and Entrepreneurship Scope in 21st Century	5-14 Aug.2020	Online	NAHEP, Dr. PDKV, Akola
		New Educational Environment Through Information Technology	15-21 July 2020	Online	College of Agriculture, Dr. PDKV, Akola
		Role of Higher Education Institutions in Post COVID-19	1-2, June 2020	Online	MPUAT, Udaipur
		Recent Trends in Academic writing	20-24, May 2020	Online	University Library and Dept of Extn Edu, VNMKV, Parbhani
		Role of Technologies and Automation in Food Processing and Preservation	14-19 May 2020	Online	NAHEP VNMKV, Parbhani
2	Ramteke, R.T.	1.Advances in Smart Food Processing Technologies	4-14, June 2020	Online	CAAST-CSAWM, MPKV, Rahuri
		2.Indian Agricultural Education System and Entrepreneurship Scope in 21st Century	5-14 Aug.2020	Online	NAHEP, Dr. PDKV, Akola
		3.State level Online Training on Organic farming	21.09,2020 to 09.10.2020	Online	OFRTC and AICRP on UAE, VNMKV,Parbhani
		3.Role of Technologies and Automation in Food Processing and Preservation	14-19 May 2020	Online	NAHEP VNMKV, Parbhani

Faculty and Staff Development

		4.Recent Trends in Academic writing	20-24, May 2020	Online	University Library & Dept of Extn Edu, VNMKV, Parbahni
		5.Role of Higher Education Institutions in Post COVID-19	1-2, June 2020	Online	MPUAT, Udaipur
		6. Drying and dehydration of Onion, Garlic and Ginger in to flakes and powder	16.07.2020	Online	Farm to Fork Solutions , Mumbai
		7. Renewable Energy Sources-Future Prospects	17.07.2020	Online	University of Agricultural Sciences, Dharwad
		8.New Educational Environment through information Technology	July 15-21, 2020	Online	College of agriculture, Dr. PDKV, Akola
3	Solanki, S. N.	1.Participated in workshop at RRA network strategy.	24.2.2020	Hyderabad	RRA network Hyderabad
		2.Webinar workshop on Challenges posted by COVID-19 pandemic on production, mechanization system.	8.6.2020	Online	ICAR New Delhi
		3.Webinar on Farm Mechanization organized by Institution of Maharashtra Agricultural Technologists.	21.6.2020	Online	IMAT
		4.Training on Ergonomics.	29.6.2020	Online	CIAE Bhopal
		5.Workshop on Impact of COVID-19 on Agriculture machinery manufacturer sector in India.	10.7.2020	Online	ICAR New Delhi
		5.Training on National e-training on Indian Agricultural Education System and Entrepreneurship scope in 21 st century.	4 to 14 Aug 2020	Online	NAHEP, PDKV, Akola
		6.Vaibhav Summit ICAR meet on Automation of farming system.	6.10.2020	Online	ICAR-CIAE, Bhopal
		7.Webinar on Mahila Kisan Din.	15.10.2020	Online	ICAR, New Delhi

Faculty and Staff Development

4	Dr. Bhosle, V.M.	1.Fuzzy Logic and its Application for Climate Smart Agriculture	16 – 19 April 2020	Online	Mahtama Phule Krishi Vidyapeeth , Rahuri
		2.Introduction to MATLAB and its Application in Climate Smart Agri	25 -30 April 2020	Online	Mahtama Phule Krishi Vidyapeeth , Rahuri
		3.MATLAB based Teaching-Learning in Mathematics, Science & Engineering	18-22 May 2020		RAIT, Nerul, Navi Mumbai in collaboration with DesignTech Systems Pvt. Ltd., Mumbai
		3.Recent Trends in Academic Writing	20 – 24 May 2020	Online	Vasantrao Naik Marathwada Krishi Vidyapeeth, parbhani
		4.Scilab	15 th – 19 th , June 2020	Online	St. Peters Engineering College, and IIT Bombay
		5.Designing E-Learning Content	(1 Month) 1 – 31 July 2020	Online MOOC	ICAR
		6.Advances & Applications of Mathematics	One Day On 22 July 2020.	Online	Deptof Mathematics M.S.P. Mandals Arts, Commerce & Science College Kille-Dharur
5	Dr More, P. G.	1.Psychology of Learning	May, 1-15, 2020	Hyderabad	Hyderabad
		2. Agricultural Education, Innovation and Research for Future Livelihood: Indian Scenario in 2050.	28-29, Jan, 2021.	Dr. PDKV, Akola	Dr. PDKV, Akola
2021-2022					
1.	Dr More, M.R.	IIT Madras	20.1.2022	Online Training	IIT Madras
2.	Dr. Payal, S D	Samagra Vikas Welfare Society & College of Horticulture & Forestry Central Agricultural University, Pasighat, Arunachal Pradesh	04-24 October, 2021	Online Training	Samagra Vikas Welfare Society & College of Horticulture & Forestry CAU, Pasighat, Arunachal Pradesh

Faculty and Staff Development

3.	Dr. Kamble, A M,	NAHEP, Parbhani.	14-2-2022 to 16-3-2022	Training	NAHEP, Parbhani.
4.	Dr. Bhosle, V.M.	1.Theoretical Foundations of Education Technology	(1 Month) 01- 30 June 2021	Online (MOOC)	ICAR
		2.Statistics Tools in Research and Data Analysis	(1 Week) 09- 14 August 2021	Parbhani (Online)	College of Veterinary & Animal Sciences, Parbhani
		3.National Level E-Workshop on Use of Open Broadcaster Software (OBS) in Teaching Learning Process	2 nd September, 2021	Online	Late Nhanabhau M.T.Patil Arts College, Marwad, Tq-Amalner, Dist-Jalgaon
		4.Short Training Program - Computer Applications in Agriculture	27 -29 September, 2021	Online	College of Agriculture , Latur, VNMKV, Parbhani
5	Dr More, P. G.	National e-Conference on Agro Entrepreneurship: A way to Boost Startup ecosystem in Agriculture	February 23- 24,2022	Akola	Dr. PDKV, Akola

College of Horticulture

2018 - 2019					
1	Dr.Lohakare A.S.	Massive Open Online Course (MOOC) on Dynamics of Teaching- Learning.	01.11.2018 to 30.11.2018	Hyderabad (India)	ICAR- NAARM, Hyderabad-India
2	Dr. Bhagat, V.V.	Dynamics of Teaching Learning	4-25 Oct.2018 (21 days)	Online mode	NAAAR, Hyderabad
2019- 2020					
1	Dr. Kalabandi, B.M.	1.Role of technologies in food processing and preservation	14-19 July 2019 (05 days)	Parbhani	VNMKV,Parbhani
		2.Employment generation in rural youth through agriprenurship	30 July 2019 (6 Week)	Parbhani	IIT,Kanpur, BAU,Sabour and CWL,Canada
2	Dr. Lohakare	1.Massive Open Online Course (MOOC) on Teaching Excellence.	01.11.2019 to 30.11.2019	Hyderabad (India)	ICAR-NAARM, Hyderabad- India

Faculty and Staff Development

	A.S.	2.22 nd National Conference of Maharashtra Society of Agricultural Economics	21-22 December, 2019 (02 days)	Parbhani (MS)	Dept. of Agril. Economics, VNMKV, Pabhani.
3	Dr. Kalalbandi, B.M.	e-Extension	3 Dec.2019(6 Week)	Parbhani	IIT,Kanpur,BHU,Varnasi and CWL,Canada
		Teaching Excellence	1-30 Nov.2019	Parbhani	NAAAR, Hyderabad
4	Dr. Lohakare A.S.	International workshop on Digital farming practices by Agri-bots, Agri-drones and Agri-AGVs.	13.03.2020 to 15.03.2020 (02 days)	Pabhani (MS)	NAHEP-CAAST, VNMKV, Parbhani.
2020 -2021					
1	Dr. Lohakare A.S.	Training program on Recent Trends in Academic Writing.	20.05.2020 to 24.05.2020	Pabhani (MS)	University Library and Dept. of Extension Education, VNMKV, Parbhani
2	Dr. Kalalbandi B.M.	Recent trends in Academic writing	20-24 May 2020 (04 days)	Parbhani	VNMKV,Parbhani
3	Dr. Lohakare, A.S.	National webinar on Under-utilized Crops for Augmenting Farmers Income in Abiotic Stress Regions.	10.08.2020	Baramati, Pune (MS)	ICAR- NIASM, Baramati, Pune.
4	Dr. Kalalbandi, B.M.	1.CAD for landscaping	30 Aug-9 Sep.2020	Parbhani	UHS, Bagalkot
		2.Advances in Moringa Farming	25-28 Sep.2020	Parbhani	TNAU,Pericullum
5	Dr. Lohakare, A.S.	International Webinar: Harnessing the potential of tropical tuber crops under changing climate.	27.10.2020	Kerala (India).	ICAR- CTCRI, Thiruvananthapuram, Kerala (India).
6	Dr. Kalalbandi, B.M.	Psychology of learning	1-15 May,2020 (15 days)	Parbhani	NAAAR, Hyderabad
2021- 2022					

Faculty and Staff Development

1	Dr. Lohakare, A.S.	1. Online certificate course on Food Processing and Automation .	02.08.2021 to 14.08.2021	Pabhani (MS)	NAHEP-CAAST, VNMKV, Parbhani.
		2. Course programme on Advance Hydroponics & Polyhouse Automation.	04.10.2021 to 16.10.2021	Pabhani (MS)	NAHEP-CAAST, VNMKV, Parbhani.
		3. National Symposium (IPS-WZ, New Delhi).	17-18 th November, 2021	Latur (MS)	VNMKV and IPS Society at COA, Latur.
2	Dr. Bhagat, V.V.	Advance Hydroponics and polyhouse Automaiton	4-16 Oct-2021	Parbhani	NAHEP, VNMKV, Parbhani
2022- 2023					
1	Dr. Lohakare, A.S.	1. Workshop on Intellectual Property Rights (IPR) & Patents, Designs filing.	29 th August, 2022	Pabhani (MS)	NAHEP-CAAST, VNMKV, Parbhani.
		2. Massive Open Online Course (MOOC) on Digital Assessment and Evaluation Methodologies.	01.09.2022 to 30.09.2022	Hyderabad (India)	ICAR- NAARM, Hyderabad-India
		3. Workshop cum training on Effective E-Content Development For Education in Agriculture.	21st to 22nd November, 2022 (02 days)	Pabhani (MS)	NAHEP-CAAST and COA, Parbhani

NARP, Aurangabad

Sr. No.	Name of participant	Title of National / International Seminars / Symposia / Workshops/ Training / Consultancy visits/ Special assignments etc.	Duration with date	Place	Organizing Agency
2018 - 2019					
1	Pawar, S.B. Kadam, S.B. Patange, N.R. Jakkawad, S. R.	Integrated Pest Management	December, 2018	Online	AgMOOC Training Course

Faculty and Staff Development

2	Jakkwad, S. R. Kadam, S.B. Patange, N.R.	Functional Foods: Concept, Technology and Health Benefits	November, 2018	Online	AgMOOC Training Course
		Fundamentals of Agricultural Extension	March, 2018	Online	AgMOOC Training Course
		Integrated Disease Management	December, 2018	Online	AgMOOC Training Course
3	Kadam, S.B.	CAFT training program on New Frontiers in agri-resource augmentation and utilization	05.09.2018 to 25/09/2018	GBPUAT, Panthnagar, Uttarkhand	GBPUAT, Panthnagar, Uttarkhand
4	Lomte, D.M. Dr. Jagtap,G.P.	Training cum-awareness programme on farmers right, DUS testing and field day in Pearl Millet	24.09.2018 to 25.09.2018	AICRP on Pearl Millet, Mandhor, Jodhpur	AICRP on Pearl Millet, Mandhor, Jodhpur
2019 - 2020					
1	Pawar, S.B. Jagtap,G.P. Patange, N.R. Kadam, S.B. Bagde,A.B.	Resource management in rainfed dry land	May, 2019	Online	AgMOOC Training Course
2	Jagtap,G.P. Patange, N.R. Kadam, S.B. Bagde,A.B.	Fundamentals of Agricultural Extension	May, 2019	Online	AgMOOC Training Course
3	Pawar, S.B. Jagtap,G.P. Patange, N.R. Kadam, S.B.	Awareness of rural youth for employment in Agriculture	July, 2019	Online	AgMOOC Training Course
4	Jagtap,G.P. Patange, N.R.	1.Detection, diagnosis and management of plant diseases	Dec,2019	Online	AgMOOC Training Course

Faculty and Staff Development

	Kadam, S.B. Bagde, A.B.	2.E extension	Decr,2019	Online	AgMOOC Training Course
		3.Design thinking of Agricultural implements	Dec, 2019	Online	AgMOOC Training Course
2020 -2021					
1	Lomte, D.M.	Protected cultivation Technologies for climate smart agriculture	21-28 April, 2020	Online	CAAST-CSAWM, MPKV, Rahuri
2	Pawar, S.B. Jagtap, G.P. Lomte, D.M.	Appropriate mechanization in small farm holding with special focus on rainfed agriculture	18 June, 2020	VNMKV, Parbhani	NAHEP, VNMKV, Parbhani
3	Lomte, D.M. Bagde, A.B.	Present and futuristic trends in agricultural mechanization	18-23 June, 2020	Online	NAHEP, VNMKV, Parbhani
4	Pawar, S.B. Bagde, A.B.	Recent advances in Millet research	10-31 Dec, 2020	Online	IIMR, Hyderabad
5	Pawar, S.B. Jagtap, G.P. Lomte, D.M. Patange, N.R. Bagde, A.B.	State level training of Organic Farming	22 Nov – 04 Dec, 2020	Online	NAHEP, VNMKV, Parbhani
2021 - 2022					
1	Dr. S. B. Pawar	International Agronomy Congress	22-27 Nov, 2021	PJTSAU, Hyderabad	PJTSAU, Hyderabad
2	Bagde, A.B.	1.Organic farming : Assured path for development	02-11 Aug, 2021	Online	KVK, Badnapur
		2.Statistical tools in research and data analysis	09-14 Aug, 2021	Online	College of Veterinary & Animal Sciences, Parbhani
2022 - 2023					
1	Bagde, A.B.	1. Futuristic approach towards smart agriculture & sustainable urban farming	30 April to 20 May, 2022	Online	AEEFWS & Just Agriculture
		2. The Future of Farming Technology &	10 -24 Nov,	Online	SKUST, AEEFWS & Just

Faculty and Staff Development

		Agripreneurship Development	2022		Agriculture
2	Dr. Pawar, S. B. Prof. Bhadarge, H.H. Dr. Hingole, D.G. Dr. Patil, C.B. Bagde, A.B.	Development and promotion of Millets and seed spices for livelihood security	February 24-26, 2023	Agricultural University, Jodhpur	AICRP-Pearl Millet & Agricultural University, Jodhpur
3	Dr. Pawar, S. B. Bagde, A.B.	Enhancing productivity and value addition in millets	18- 19 March, 2023	IARI, New Delhi	Ministry of Agriculture and Farmers Welfare, Government of India

KVK Aurangabad

Sr. No.	Name Of Participate	Title of National/International seminar/ Symposia/ Workshop/ Training/ Consultancy Visits / Special Assignment etc.	Duration with Date	place	Organizing Agency
2018- 2019					
1.	Patgaokar, D.C.	Workshop of NICRA Project	10.9.2018 to 11.9.2018	Jalna	KVK Jalna
2.	Dr. Zade, K. K.	Workshop of NICRA Project	10.9.2018 to 11.9.2018	Jalna	KVK Jalna
3.	Patgaokar, D.C.	Meeting on monument of drought	14.11.2018	Parbhani	VNMKV Parbhani
		HRD training programmes on value addition	12.12.2018 13.12.2018	Parbhani	VNMKV Parbhani
4.	Yadav, G B	HRD training programmes on value addition	12.12.2018 to 13.12.2018	Parbhani	VNMKV Parbhani
5.	Patgaokar, D.C.	National Conference on Crop	10.01.2019 to	Aurangabad	-

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		Improvement for 21 st century	12.01.2019		
6.	Dr. Zade,K. K.	National Conference on Crop Improvement for 21 st century	10.01.2019 to 12.01.2019	Aurangabad	-
7.	Dr . Jinturkar, A S	National Conference on Crop Improvement for 21 st century	10.01.2019 to 12.01.2019	Aurangabad	-
8.	Dr. Bhujbal D.S.,	National Conference on Crop Improvement for 21 st century	10.01.2019 to 12.01.2019	Aurangabad	-
9.	Dr. Zade,K. K.	Workshop on .Progress of Kharif and Revised of Rabi plan of CFLD of Maharashtra KVKs	24.11.2018 to 25.11.2018	Dapoli	BSKKV Dapoli
		Training on Model training course on Climate change and rained agriculture	23.10.2018to 30.10.2018	Parbhani	Director of Extension Dept. of Agril
		Training on Mechanization in Sericulture	10.12.2018to 11.12.2018	Parbhani	Sericulture Project,VNMKV, Parbhani
		AICRPAM Workshop	06th Dec, 2019.	Solapur	ZRS Solapur
		Orientation Training cum Review Workshop on CFLD on Pulses during at	10-12 Dec, 2019	KVK, Kolhapur.	Atari Pune.
2019 - 2020					
1.	Dr. Zade,K. K.	International Conference and Exhibition at	Jan 31 to Feb 02, 2020	Pune	Vasantdada Sugar Institute, Pune.
2.	Dr. Pisure,B.L.	International Conference and Exhibition	Jan 31 to Feb 02, 2020	Pune	Vasantdada Sugar Institute, Pune.
3.	Shri. Kajale,S.R.	International Conference and Exhibition	Jan 31 to Feb 02, 2020	Pune	Vasantdada Sugar Institute, Pune.
4.	Dr. Zade,K. K.	NICRA workshop	4-6 June2019.	Hyderabad	Hyderabad
		Zonal Reviews Cum Action Plan Workshop	2 & 3 June, 2020.	KVK, Babhaleshwar	Atari Pune
		International Convection on Perspectives to Face Contemporary	18-19 February	New Delhi.	NASC,

Faculty and Staff Development

		Challenges of Agriculture development	2020		
		XIth National Conference on KVK-2020 at	28 Feb to 01 March, 2020		New Auditorium NASC Complex, New Delhi.
2020- 2021					
1.	All Staff	State Level Annual Action Plan Workshop	2021	Zoom Platform	ATARI Pune
2.	Dr. Pisure,B.L. Dr. Zade,K. K.	Participated in Online Monthly Workshop organized	23.02.2021	Aurangabad	by SAO Office, Aurangabad.
3.	Dr. Bhavar,S. V.	2.Participatory Extension Management Skills in Agriculture and Allied Fields	05 to 07. 02.2021	Virtual Mode	Extension Education Institute (EEI) Gujarat
		3.Designing and Management of Skills Dev. Training Programme	20. to 21.01.2021	Virtual Mode	Extn. Education Institute (EEI) Gujarat
2021 - 2022					
1.	Dr. Pisure,B.L. Dr. Zade,K. K.	Virtual Webinar on Bhoomi Suposhan Jan Jagaran National Campaign	15.04.2021	Virtual Meeting	ATARI, Pune
2.	Dr. Pisure,B.L.	1. Orientation Training Programme for newly recruited SMS of KVKs	03.05.2021 05.05.2021	Virtual Meeting	ATARI, Pune
		2. MOOCs programme on e- Extension in Agriculture and Allied Sector	May 2021	Virtual Mode	MANAGE, Hyderabad
		3.Successfully completed 21 Days National Training Course on Opportunities in Agriculture, Animal Husbandry & Allied sectors for Sustainable Entrepreneurship & Livelihood Security organized by	01.07.2021 to 21.07.2021	Virtual Mode	Rajmata Viajyaraje Sindhiya Krushi Vishwa Vidyalaya, Gwalior (M.P)
3	Dr. Pisure,B.L.	1.Hands on Training Programme on Operations of Kisan Sarathi for KVK Experts and Co-ordinators	24.07.2021	Virtual Mode	ATARI,Pune, IASRI, New Delhi and DIC, New Delhi
		2.Virtual Annual Zonal Review Workshop	04.08.2021 06.08.2021	Virtual Mode	ATARI, Pune
4	Dr. Zade,K. K.	Hands on Training Programme	24.07.2021	Virtual Mode	ATARI,Pune, IASRI, New

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		on Operations of Kisan Sarathi for KVK Experts and Co-ordinators			Delhi and DIC, New Delhi
		Virtual Annual Zonal Review Workshop	04.08.2021 06.08.2021	Virtual Mode	ATARI, Pune
5	Dr.B.L.Pisure,	Five Days Virtual Training programme on ICTs in Agricultural Extension	23.08.2021 27.08.2021	Virtual Mode	MANAGE, Hyderabad
6	Dr. Pisure,B.L. Dr. Zade,K. K.	2.Participated on Review Meeting of DFI Case studies and status	18.10.2021	Virtual Mode	ATARI, Pune
		2.Participated in Virtual Meeting on Status of Kisan Sarathi	25.10.2021	Virtual Mode	ATARI, Pune
7	Dr. Pisure,B.L.	Virtual Webinar on Role of Social Media in Agriculture	24.11.2021	Virtual Mode	MANAGE, Hyderabad
8	Dr. Zade,K. K.	1. 5 th International Agronomy Congress, Indian Society of Agronomy and PJTSAU, Hyderabad	23.07.2021 to 27.2021	Hyderabad	PJTSAU, Hyderabad
		2.Sate Level Workshop on CFLD Pulses and Oilseed	18.09.2021 to 19.09.2021	KVK, North Goa	ATARI, Pune
9	Mr.A.D.Nirwal Mr.S.R.Kajale,	Training Programme on Dynamic Feedback of farmers on agro advisory.	28.10.2021	Virtual Mode	AAS, IMD, New Delhi
10	Dr. S. V. Bhavar	The Bhoomi Suposhan Jan Jagran National Campaign,	15.04.2021	Virtual Mode	ATARI-Pune (Zone VIII)
11	Dr. Pisure,B.L.	1.30 Days Virtual Training Programme on Organic Farming	February-2022	Virtual Mode	VNMKV, Parbhani
		2.Virtual Sensitization Workshop on Natural Farming for Healthy Nation	10.02.2022	Virtual Mode	ATARI, Pune
12	Yadav, G. B.	1.Workshop on PMFME,	16.12.21	Auranagabad	ATMA Auranagabad
		2.Workshop on PMFME, ATMA Auranagabad	08.02.22	Aurangabad	RAMETHI Auranagabad

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01 April 2022 to 31 March 2023					
1.	Dr. Pisure,B.L. Dr. Zade,K. K	Online Annual Progress Report 2022 workshop	05 - 06 April 2022	Virtual Mode	DEE Parbhani
2.	All staff of KVK	Scientists from Bangladesh, UK, Thailand and Nepal held a review/study meeting on the working of District Agriculture Meteorological Unit at,	2 -3 June 2022	Aurangabad	KVK, Aurangabad
3.	Yadav, G. B.	One-day workshop on Use of Drones for Agriculture	12.08.2022	Rahuri	MPKV, Rahuri
4.	Dr. Zade,K. K	Attended Regional Workshop of Zone-8 (Maharashtra, Goa and Gujarat)	07th to 09th July 2022	Gujarat.	AAU, Gujarat.
		National Conference on KVK	1-2 June, 2022	Solan, Himachal Pradesh	Dr YS Parmar University of Horticulture & Forestry,

KVK Osmanabad

Sr. No.	Name of participant	Title of National/International seminars/ symposia/ workshop/training/consultancy visits/special assignment etc.	Duration with date	Place	Organizing Agency
2018 - 2019					
1	Suryawanshi S. L.	Specialized management development programme for senior functionaries	27-30 August 2018	MANAGE, Hyderabad	MANAGE, Hyderabad
2020 -2021					
1	Suryawanshi, S. L.	1.E-resources of libraries and publication ethics	April 20-24, 2020	(Online) NAHEP, MPKV, Rahuri	NAHEP, MPKV, Rahuri (M.S.)
		2.Fundamentals of Drone technology for precision agriculture	April 25-30, 2020	(Online) NAHEP, MPKV, Rahuri	NAHEP, MPKV, Rahuri (M.S.)

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		Carbon Sequestration in climate smart agriculture	May 11-13, 2020	(Online) NAHEP, MPKV, Rahuri	NAHEP, MPKV, Rahuri (M.S.)
		3.Role of technologies and automation in food processing and preservation	May 14-19, 2020	NAHEP, NMKV, Parbhani	NAHEP, VNMKV, Parbhani (M.S.)
		4.Conservation Agriculture based Crop Management Technologies in Climate Smart Agriculture	May 18-22, 2020	(Online) NAHEP, MPKV, Rahuri	NAHEP, MPKV, Rahuri (M.S.)
		5.Application of Remote Sensing & GIS in Digital Agriculture	June 04-08, 2020	NAHEP, Parbhani	NAHEP, VNMKV, Parbhani (M.S.)
		6.Climate Resilient Technologies for Rainfed Agriculture	June 11-15, 2020	NAHEP, Parbhani	NAHEP, VNMKV, Parbhani (M.S.)
		7.Present and Futuristic Trends in Agricultural Mechanization	June 18-23, 2020	NAHEP, Parbhani	NAHEP, VNMKV, Parbhani (M.S.)
2	Marwalikar, V. K.	1.Role of Technologies and automation in food processing and preservation	14-19 May, 2020	Online	NAHEP-CAAST, VNMKV, Parbhani
		2.Nurturing physical, mental and social health during and post covid-19	16 May 2020	Online	Institute of Home Science, Dr. BRAU, Agra
		3.Future of food technology-Post covid-19	17 May 2020	Online	College of Food Technology, VNMKV, Parbhani
		4.Resource conservation and energy self – reliance for sustainable agricultural development	28-30 May 2020	Online	Sardarkrushinagar Agriculture University Dantiwada
		5.Advances in smart food processing technologies	4-15 June 2020	Online	MPKV, Rahuri
		6.Covid – 19 pandemic: Impact & sustainable for agricultural education	9-13 June 2020	Online	VNMKV, Parbhani
		7.Immunity boosting during pandemic Covid – 19	29 June 2020	Online	Rajaram College, Kolhapur

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		8.Reframing nutrition during Covid – 19 with special focus on Immunity boosting food-synergy of nutrition & fitness – Now n forever	24 June 2020	Online	Dept of Home Science, Aurangabad Dr. Indirabai Pathak Mahila Kala Mahavidyalaya,
		9.Young Minds matter: Towards the mental health & wellbeing of youth	29-30 June 2020	Online	IITB Remote Centre, Womens Polytechnic College, Puducherry
		10.Right ways to combat Covid – 19	30-31 August 2020	Online	Govt degree college, Kovur, A.P.
		11.Breast cancer awareness & nutritional consideration – Need of an hour	01 Sep 2020	Online	Post graduate teaching department of Home Science, Rashtrasant ttukadoji Maharaj Nagpur University, Nagpur
		12.Female Farmers Self Dependence through Digital Agril. Technology	06-10 July 2020	(Online) VNMKV, Parbhani	VNMKV, Parbhani
		13.Novel nutrition approach and emerging opportunities to sustain in pandemic scenario	15-18 June 2020	(Online) Dept. of Nutrition and Dietetics, Mount Carmel College, Puducherry	Dept. of Nutrition and Dietetics, Mount Carmel College, Puducherry
		14.Psychological impact of misuse of	19 July 2020	Online	Dept of Psychology,

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		social media, Online gaming & pornography			Ambejogai
3	Mandalik, G.B.	1.Ultra high density Mango cultivation	31-05-2020	IMAT, Pune	IMAT, Pune
		2.Bahar Management of citrus crop	02-06-2020	KVK, Washim	KVK, Washim
		3.Recent food processing technique	June 04-15, 2020	Online	MPKV, Rahuri
		4.Custard apple cultivation technique	19-06-2020	Online	IMAT, Pune
		5.Mechanization in Agriculture	21-06-2020	Online	IMAT, Pune

KVK Khamgaon

2018 - 2019					
1	Patgaonkar, Dipti	International Conference on doubling the farm income through innovative approaches	9 to 11 April 2018	KVK, Baramati	ICAR
		Zonal level orientation training on preparation and dissemination of agro met advisory at block level	6 to 7 July 2018	KVK, Aurangabad	ICAR -ATARI
		Interdisciplinary national conference on adolescent girls and their health	30 Nov 2018	Govt. college of Arts & Science, Aurangabad	UGC
2	Kachave, D.B.	Advances in fruit growing	14-11-18 – 4-12-18	MPKV Rahuri	MPKV Rahuri
3	Jagtap,K.L	Farmers Field School (FFS) Methodology	18-2-19-22.2.2019	Hyderabad	MANAGE, Hyderabad
2019 - 2020					
1	Patgaonkar, Dipti	Role of Higher Education in making of New India	20 August	Aurangabad	Vivekanand Arts , Sardar Dalipsingh Commerce and

Faculty and Staff Development

					Science college
2	Jagtap,K.L	Scientific Goat Farming	26 Nov. -10 Dec 2019	Izzatnagar (UP)	ICAR-Central Institute For Research on Goat, Makhadoom, Farah, Mathura.
3	Patgaonkar, Dipti	1.e- Extension	6 weeks course 3 Dec. 2019	AgMOOCs Online	AgMOOCs
		2.Design Thinking for Agricultural implements	8 weeks course 17 Dec. 2019	AgMOOCs Online	AgMOOCs
2020 - 2021					
1	Patgaonkar, Dipti	1.Personality Development, Effective Communication Skills and Stree Management	14 to 18 April 2020	CASST- CSAWM, MPKV, Rahuri	NAHEP -ICAR
		2.Covid -19 Social Awareness program	29 April 2020	Online	VNMKV,Parbhani
		3.Role of technologies and Automations in Food Processing and preservation	14 to 19 May 2020	CAAST- DFSRDA, VNMKV, Parbhani	NAHEP -ICAR
		4.Nurturing, physical , mental and social health : during and post Covid 19	16 May 2020	Online	Dr. BARU , Agra
		5.Recent Advances and Instrumentation in Agricultural Meteorology	26 may to 2 June	Online	CAAST- DFSRDA, VNMKV, Parbhani
		6.Statistical Analysis in SPSS Software	1 to 6 June 2020	Online	REST society for Research

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					International , Krishnagiri Tamilnadu
		7.Applications of Remote Sensing and GIS in Digital Agriculture	4 to 8 June 2020	CAAST-VNMKV, Parbhani	NAHEP -ICAR
		8.Covid 19 Pandemic: Impact & Strategies for Agricultural Education	9 to 13 June 2020	Online	CAAST-VNMKV, Parbhani NAHEP -ICAR
		9.National seminar on Immunity Boosting through Diet during Pandemic Covid 19	29 June 2020	Online	Rajaram College , Kolhapur
		10.Employment generation among rural youth through agripreneurship	6 weeks course 14 June 2020	AgMOOCs Online	AgMOOCs
		11.Integrated Pest Management	8 weeks course 30 June 2020	AgMOOCs Online	AgMOOCs
		12.Fundamentals of Agricultural extension	8 weeks course 30 June 2020	AgMOOCs Online	AgMOOCs
		13.Immuno- Nutrition, wellness management and livelihood change	3 to 5 July 2020	Online	AICRP AAU, Jorhat & ICAR-CIWA, Bhubaneshwar
		14.How to Setup Food Processing Unit	17 to 19 July 2020	MSME-Technology Dev. Centre	MSME-PPDC Govt. of India
2	Jagtap, K.L.	1.Entrepreneurship development for rural transformation	19.10.20 - 21.10.20	Google meet	EEl, Anand Gujrat
		2.Digital application for effective technology transfer	26.10.20- 29.10.20	Google meet	EEl, Anand Gujrat
		3.Participatory extension management skills in agriculture & allied fields	5.1.21-7.1.21	Online	EEl, Anand Gujrat

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3	Dr. Gaikwad, B.B.	1.National Web symposium on recent Advances in beneficial insect and natral resins and gums	25 Feb- 26 Feb	Ranchi	Society of advancement of natural resins and Gums
		2.Workshop on Organic farming for sustainable Agriculture	24 March 2021	Amravati	Indian Science congress association Amravati
		3.National level seminar on Advances in Sustainable Management of Natural Resources For Food and Nutritional Security	August 26-27, 2021	Online	Department of Soil Science and Agril. Chemistry, Navsari (Guj.) NAHEP, ICAR, New Delhi
		4.Indian Agricultural Education System and Entrepreneurship Scope in 21st Century	10 DAYS 05-14 August 2020	PDKV, Akola (M.S.)	NAHEP, Faculty of Agril. Engineering, PDKV, Akola (M.S.)
		5.Commodity based system through commodity interest groups and FPOs	04 DAYS 02.11.2020-05.11.2020	Online	Extension Education Institute AAU Anand (Gujrat)
		6.Knowledge Management in Agriculture and Allied Sector	03 days 09.11.2020-11.11.2020	Online	Extension Education Institute AAU Anand (Gujrat)
		7.Development of Soft Skills for Personality Development	02 days 18.11.2020-19.11.2020	Online	Extension Education Institute AAU Anand (Gujrat)
		8.Communication Skills for Effective Extension Service	02 days 20.11.2020-21.11.2020	Online	Extension Education Institute AAU Anand (Gujrat)
		9.Management of Fall Armyworm, Pink Bollworm and Integrated Pest Management	23.12.2020-24.12.2020	Online	Extension Education Institute AAU Anand

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		Practices Through Extension Skills			(Gujrat)
		10.Designing and Management of Skills Development Training Programme	20.01.2021-21.01.2021	Online	Extension Education Institute AAU Anand (Gujrat)
		11.Chawki Silkworm Rearing	10 DAYS 12.02.2021 to 21.02.2021	CSRTI Mysur	Central Sericultural Research & Training Institute, Mysuru Central Silk Board, Govt. of India
		12.Recent Advances of pest Management in Agriculture	08.07.2121 to 13.07.2021	Online	Dept of Entomology, College of Agriculture, FAU Paral Vododara
		13.Skill Development Programme on Sericulture	15.07.2121 to 17.07.2021	Online	Dept of Entomology, college of Agriculture, Faculty of Agriculture University Paral Vododara (Guj.)
4	Dr. Garud, H. S.	1.GIS and Remote Sensing Application In Agriculture during	20-25 Jan , 2021	VNMKV, Parbhani	NAHEP, VNMKV, Parbhani
		2.Participatory Extension Management Skills in Agriculture & Allied Fields	05.01.2021 to 07.01.2021	Online Training	, VNMKV, Parbhani
		3.Designing and Management of Skills Development Training Programme	20.01.2021 to 21.01.2021	Online Training	Extension education Institute, Anand,Gujrat
		4.Mechanization in sericulture	17.03.2021 to 19.03.2021	Online Training	Dept.Entomology, VNMKV Parbhani

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		5.Weed Management	23.03.2021 to 25.03.2021	Online Training	Dept.Agrowon VNMKV Parbhani
2021-2022					
1	Jagtap, K. L.	1.State Level Review cum Sensitization Workshop for CFLD on Pulses and Oilseeds in Maharashtra	18-19 Nov-2021	Goa	ICAR-CCARI, Goa
		2.State Level Review cum Sensitization Workshop for CFLD on Pulses and Oilseeds in Maharashtra	18-19 Nov-2021	Goa	ICAR-CCARI, Goa
2022 - 2023					
1	Dr.Patgaonkar, Dipti	Pre and Post Management of Sweet Orange and Orange crops	30 Jan to 3 Feb. 2023	IIM-Nagpur	MAGNET
2	Mandalik, G. B.	Pre and Post Management of Sweet Orange and Orange crops	30 Jan to 3 Feb. 2023	IIM-Nagpur	MAGNET,Maha
3	Jagtap, K. L	1.National webinar	One 10.7.2022	Online	ICAR
		2.Workshop-Awearness about natural farming	29.9.22	Yashada, Pune	ATMA , Pune
		3.Online Training Programme on Lumpy	One Day	Online	COVAS PBN & KVKs
		4.Participation in webinar on Revitalization	22.3.2023	Online	ICAR
4	Dr. Garud, H. S.	1.International Conference on Agriculture, Horticulture and Food sciences	17-18 December 2022	New Delhi	The society of tropical Agriculture, New Delhi
		2.International conference on Reimaging Rainfed Agro-ecosystem : Challenges & Opportunities	22-24 December 2022	ICAR-CRIDA, Hyderabad	ICAR-CRIDA, Hyderabad
		3.International conference on Pulses : Smart Crops for Agricultural and Nutritional Security	10-12 February 2023	Pusa Campus IARI New Delhi	NASC Pusa Campus IARI New Delhi

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S. No.	Name of participant	Title of National/International seminars/ symposia/workshop/training/consultancy visits/special assignment etc.	Duration with date	Place	Organizing Agency
2019 - 2020					
1	Dr. Kachave, D.B.	Training programme on Personality Development for faculty / students at CoA Badnapur during	23-25 January 2020	Badnapur	CoA Badnapur
2	Dr.Somwanshi S. D.	1.Orientation Training cum Review Workshop on CFLDs on Pulses / Oilseeds and ARYA	10 - 12, December, 2019	KVK, KolhapurII	ATARI, Pune
		2.7th International Conference on Phytopathology in Achieving UN Sustainable Development Goals	4 Days 16 - 20, January, 2020	NASC Complex, New Delhi	IPS, New Delhi
		3.XIth National Conference on KVK - 2020,	28th Feb to 1 st March, 2020	NASC Complex, New Delhi	DDG (Agril. Extension), ICAR, New Delhi
2020 - 2021					
1	Dr. Somwanshi, S. D.	1.Online Action Plan Workshop of Maharashtra and Goa KVKs	27-28 May 2020	Online Mode	ATARI, Pune
		2.Online Annual Zonal Workshop of KVKs	2 Days 10-12 July	Online Mode	ATARI, Pune

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			2020		
		3.State Level Annual Action Plan Workshop of KVKs (Maharashtra And Goa)	09-10 Feb 2021.	Online Mode	ATARI, Pune & KVK, Aurangabad
2	Mr. Tadavi, F. R.	The Future of Food and Agriculture: Trends and Challenges (TFFA)	20-21 September, 2021.	Badnapur	Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore
3	Dr. Somwanshi, S. D.	Indian Phytopathological Societys West Zone National Symposium on Achieving Sustainability in Crop Production Through Alimentation and Plant Protection	2 Days 17th - 18th November 2021	Latur	Department of Plant Pathology, College of Agriculture, Latur
4	Dr. Dhandge, S. R.	Indian Phytopathological Societys West Zone National Symposium on Achieving Sustainability in Crop Production Through Alimentation and Plant Protection	17th - 18th November 2021	Latur	Department of Plant Pathology, College of Agriculture, Latur
5	Dr. Kamble, D. R.	Indian Phytopathological Societys West Zone National Symposium on Achieving Sustainability in Crop Production Through Alimentation and Plant Protection	17th - 18th November 2021	Latur	Department of Plant Pathology, College of Agriculture, Latur
6	Dr. Somwanshi, S. D.	Online workshop/training on Pigeonpea diseases- Detection, Phenotyping and Management	24th - 26th November 2021	Badnapur	ICRISAT & ARS, Badnapur
7	Dr. Umrikar, S. H.	1.Online National webinar on Nutraceuticals and Immunity booster foods for combating Covid 19	17 May 2021	Badnapur	College of Home Science, Agri. University Gujrat
		2.Online Training on Role & Responsibilities of Home Scientist	31 July-1 Aug. 2021	Badnapur	Society of Krushi Vishywa vidyalay Gwalher.
		3. Online webinar on Importance of Millets in diet.	23 May 2021	Badnapur	Institute of Agricultural Technology, Pune

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8	Dr. Bodkhe, A. A.	Soil health and climate resilience: Need for sustainable agriculture	15-16 Dec. 2021	Dapoli	Dr. B.S.K.K.V. Dapoli
9	Dr. Kamble, D. R.	State level review cum sensitization workshop CFLD -Oilseed and Pulses	18-19 Nov. 2021	Goa	ICAR-CCARI,GOA ICAR-KVK Goa 403 402
		Online Three Weeks Certificate Course on Climate Smart Organic Farming	15 Feb -7 March 2021	Badnapur	MPKV, Rahuri
10	Dr. Kachave, D.B.	Recent Advances in Mango Production	15-16 Jan 2021	Karnataka	COH Bidar, UHS, Bagalkot
		Gender and pandemic: challenges and opportunities	10-12 Aug. 2021	Bengaluru	ICAR-ATARI, Bengaluru and Farmer FIRST Programme (FFP) of ICAR-CPCRI, Kayamkulam, ICAR- NIANP, Bengaluru, ICAR-IIHR, Bengaluru and ICAR-CIFT, Kochi
		Medicinal plants and Folk healing	29 July 2020	Arunachal pradesh	Jawaharlala Neharu College Pasighat, Arunachal pradesh
		Recent Advances in Mango Production	15-16 Jan 2021	Bidar	COH Bidar, UHS, Bagalkot
2021-2022					
1	Dr.Somwanshi S. D.	Online Annual Zonal Workshop of KVKs	4-6 August 2021	Online Mode	ATARI Pune
		IPS (West Zone)National Symposium on Achieving Sustainability in Crop Production Through Alimentation and Plant Protection	2 Days 17 th to 18 th Nov, 2021	COA, Latur	College of Agriculture, Latur VNMKV, Parbhani
2	Mr. Tadavi,	Online Training on Recent Technologies of	21 Days	Badnapur	College of Veterinary

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	F. R.	Livestock Based Integrated Farming System for Doubling Farmers Income	1 to 21 February, 2022		Science and Animal Husbandry, BAU, Ranchi, Jharkhand
3	Dr. Kachave, D.B.	Climate Smart Technologies and Practices for Increasing Soybean Productivity	4 Days 18-2021	Hydrabad	ICAR-IISR Indore and MANAGE, Hydrabad

2022 - 2023					
1	Dr.Somwanshi S. D.	Annual Action Plan Workshop of Marathwada KVK 2022-23	5 & 6 April 2022	Online Mode	DEE, VNMKV, Parbhani
		National Conference of KVKs	2 Days 1 - 2 June, 2022	YSPUHS Parmar University Solan	DDG (Agril. Extension), ICAR, New Delhi & YS Parmar Univ. of Hort. Sci. Nauni.
		MDP for Newly Recruited Programme Co-ordinators of KVKs during	15 June -18 July, 2022	Hyderabad	NAARM Hyderabad
		International Conference on Harnessing Indian Agriculture for Indigenous and Global Prosperity	22 - 23 July, 2022	NASC Complex, New Delhi	Bhartiya Kisan Sangh
		Annual Action Plan Workshop	22-23 February, 2022	NRC on Grapes, Pune	ATARI, Pune
2	Mr. Tadavi, F.	One week faculty development Programme	2 Days	Sai Kheda,	School of

Faculty and Staff Development

	R.	on Competency enhancement for young academician and researchers.	19 to 24 Dec. 2022	MP	Agricultural Sciences, G H Riosony University, Sai Kheda, MP
		National Symposium on Animal Genetic Resources Management for rural Livelihood enhancement	23-24 feb. 2023	Nagpur	VNMKV Parbhani and MAFSU, Nagpur
3	Dr. Kadam, Rahul Laxman	ICT Led Extension: Content and Delivery Mechanism	21 Days 12 Jan to 1 Feb 2023	New Delhi	ICAR Division of Extension Education, IARI New Delhi
		One week faculty development Programme on Competency enhancement for young academician and researchers.	2 Days 19 to 24 Dec. 2022	Sai Kheda, MP	School of Agricultural Sciences, G H Riosony University, Sai Kheda, MP
4	Dr. Kamble, D. R.	Integrated Farming System and Crop Diversification approach towards doubling farmers income	21 Days 14 Feb to 6 March 2023	New Delhi	ICAR Division of Agronomy, IARI New Delhi
5	Dr. Kachave, D.B.	Post harvest training on Sweet orange and Mandarin Orange	5 Days 30 Jan to 3 Feb 2023	Nagpur	Magnet Maharashtra and IIM Nagpur

Extension Agronomist (Osmanabad and Beed)

S. No.	Name of participant	Title of National/International seminars/ symposia/workshop/training/consultancy visits/special assignment etc.	Duration with date	Place	Organizing Agency
2019 - 2020					
1	Dr. Suryavanshi,	1.Technological advances made, priorities and future strategies in organic agriculture	3 rd to 23 rd December,	UAS, Raichur	UAS, Raichur

Faculty and Staff Development

	V. P.	for sustainable farm production and doubling farmers income	2019		
		2.National Oilseeds Seminar on Technological Innovations in Oilseed Crops for Enhancing Productivity and Nutritional Security	7-8, February 2020	Hyderabad	Indian Society of Oilseeds Research
2020 - 2021					
1	Dr. Suryavanshi, V. P.	1.Recent Trends in Academic writing	20 th to 24 th May 2020	Virtual mode	University Library and Dept. of Extension Education
		2.Recent Advances and instrumentation in Agricultural Meteorology	26 th May to 02 June	Virtual mode	NAHEP, VNMKV, Parbhani
		3.Applications of remote sensing and GIS in digital agriculture	4-8 June 2020 (One week)	Virtual mode	NAHEP, VNMKV, Parbhani
		4.International web conference on New trends in agriculture, environment and biological scienc4efor inclusive development	21-22 June, 2020	Virtual mode	AEDS Rampuir UP
		5.Present and futuristic trends in agricultural mechanisation	18-23 June 2020	Virtual mode	NAHEP, VNMKV, Parbhani
		6.Recent Physio Molecular Digital tools in biotic stress management for crop modeling	29 th June to 3 rd July 2020	Virtual mode	NAHEP, VNMKV, Parbhani
		7.Agricultural Drainage for waterlogged and salt affected soils	24-29 August, 2020	Virtual mode	NAHEP, VNMKV, Parbhani
		8.Agriculture 4.0: Precision and automated Ag Technologies	28 th Sept. to 02th Oct. 2020	Virtual mode	NAHEP, MPKV, Rahuri
2021- 2022					
1	Dr.Suryavanshi V. P.	1.5 th International Agronomy Congress on Agri Innovations to combat food and	23-27, November	Hyderabad	Indian Society of Agronomy, New

Faculty and Staff Development

		nutrition challenges	2021		Delhi
		2.National Symposium on Achieving Sustainability in Crop Production Through Alimentation and Plant Protection	17-18, November 2021	College of Agriculture, Latur	College of Agriculture, Latur, College of Agriculture, Parbhani, VNMKV, Parbhani and IPS , New Delhi
2022 2023					
1	Dr.Suryavanshi V. P.	International Conference on Reimagining Rainfed Agro-ecosystems: Challenges and Opportunities	22-24, December 2022	Hyderabad	Indian Society of Dryland Agriculture, Hyderabad

Extension Agronomist (Latur and Nanded)

2018 – 2019					
Sr. No	Name of participant	Title of National/International seminars/symposia/workshop/training/con sultancy visits/special assignment etc.	Duration with date	Place	Organizing Agency
1	Prof. Gutte, A.V.	Winter school on Enhancing the Productivity of Rainfed Agro-Ecosystem through suitable Interventions	14.12.2017 to 03.01.2018	Dryland farming research station Bhilwara (Rajasthan)	Dryland farming research station, Bhilwara (MPUAT, Udaipur)
		International Conference on Recent Advances in Food, Herbal And Nano Technology	12.01.2018 to 13.01.2018	COCSIT, Latur MHA	Department of Biotechnology, College of Computer Science and Information technology, Latur

Faculty and Staff Development

		International Conference on Advances in Agriculture And Allied Science Technologies For Sustainable Development	10.02.2018 to 11.02.2018	PGRRCDE, Osmania University, Hyderabad,	Genesis Urban And Rural Development Society Hyderabad, Telangana
2019 - 2020					
1	Prof. Gutte, A.V.	State Level Seminar On Recent Trends in Genetics & Biotechnology	29.01.2019	Yogeshwari Mahavidyalaya, Ambajogai Dist. Beed MHA	Department of Botany, Yogeshwari Mahavidyalaya, Ambajogai Dist. Beed MHA
2020 - 2021					
1	Prof. Gutte, A.V.	National Symposium (IPS-WZ, New Delhi) Achieving Sustainability in Crop Production Through Alimentation and Plant Protection	17.11.2021 to 18.11.2021	College of Agriculture, Latur	VNMKV Parbhani & Indian Phytopathological Society, New Delhi

ATIC, Parbhani

Sr. No	Name of the participant	Title of National/ International seminars/symposia/workshop/training/c consultancy visits/ special assignment etc	Duration with date	Place	Organizing Agency
2018 - 2019					
1.	Dr. Gadade, G.D.	International Conference on Advances in Agriculture and Allied Science Technologies for Sustainable Development (ICAAASTSD-2018)	10-11 Feb., 2018	Osmania University, Hyderabad,	Genesis Urban And Rural Development Society Hyderabad, Telangana
2.	Dr. Kulkarni, M.V.	Emerging food processing and packaging technologies : A Drive for Economic opportunities	July 11-31 2018	PJTSAU, Hyderabad	PJTSAU, Rajendranagar Hyderabad

Faculty and Staff Development

3.	Dr. Gadade, G.D.	First International Conference on Entrepreneurship in Agriculture and Renewable Energy Sector.	15-16 March 2019	Dr.PDKV, Akola	Dr.PDKV, Akola
2019 - 2020					
1	Dr. Gadade, G.D.	Conservation Agriculture - based Sustainable Intensification (CASI)	31 March 2020	six-week Online course	Agmoocs,
2020 - 2021					
1	Dr. Gadade, G.D.	Employment Generation among Rural Youth through Agripreneurship	14 June 2020	six-week Online course	Agmoocs,
		Fundamentals of Agricultural Extension	30 June 2020 (eight-week Online course)	Online	Agmoocs, Commonwealth of Learning, Canada
		Integrated pest management	30 June 2020 (eight-week Online course)	Online	Agmoocs, Commonwealth of Learning, Canada
2021 - 2022					
1	Dr. Gadade, G.D.	National conference on Agricultural economics	13 & 14 Feb. 2021	Dr.BSKKV, Dapoli	Maharashtra Society of Agricultural Economics
2	Dr. Kulkarni, M.V.	Advances in processing technologies for super foods : A new horizon of income generation	Nov 16-25 2022	Central institute of agricultural Engineering, Bhopal	Central institute of agricultural Engineering, Bhopal
3	Dr. Gadade, G.D.	Fifth International Agronomy Congress on Agri-Innovations to Combat Food and Nutrition Challenges	23-27 Nov. 2021	PJTSAU, Hyderabad	Indian society of Agronomy
		First International Conference on Reimaging Rainfed Agro-ecosystem ; Challenges and Opportunities	22-24 Dec. 2022	CRIDA, Hyderabad	Indian society of Dry land Agriculture

Faculty and Staff Development

4	Dr. Kulkarni, M.V.	Sustainable Nutrisensitive Food Systems - A Multi Pronged approach through Food Environment, Natural Resources and Technology	Jan 27- Feb 16 2023	Professor JayashankarTelangan a State Agricultural University, Rajendranagar, Hyderabad, India	Professor JayashankarTelangana State Agricultural University, Rajendranagar, Hyderabad, India
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Office of the Director of Research

Sr. No.	Name of Participant	Title	Duration	Place	Organizing Agency
2018 – 2019					
1	S.M Telang	Winter School Training “Insect resistance to Bt toxins and insecticides in cotton”	18 Jan to 7 Feb 2018	Nagpur	CICR, Nagpur
2	V.S. Pawar	Winter School on Advances in post harvest management of dairy and food production	1-21 Jan 2018	Udaipur	MPUAT, Udaipur
3	S.P. Mehtre	Short term training course on conventional and molecular breeding approach for increasing soybean productivity	16-25 Jan-2018	Indore	IISR, Indore
4	P.N. Antwal	Training on climate change	17-22 Jan 2018	Gujarat	Mandvi, Gujarat
5	C.M. Belluskar	Training on climate change	17-22 Jan 2018	Gujarat	Mandvi, Gujarat
6	A.M. Misal	Sunflower breeder cum germplasm day	1-5 Feb 2018	Hyderabad	IIOR, Hyderabad
7	K.K. Dakhore	Capacity enhancement programme on development of dynamic crop weather calendar for operationalizing weather forecasting	21-28 Feb 2018	Jabalpur	JNKVV, Jabalpur
8	G.R. Munde	Annual meet AICRP on Custard apple	16-18 Feb 2018	Hissar	HRS, Hissar
9	A.S. More	Annual meet AICRP on Custard apple	16-18 Feb 2018	Hissar	HRS, Hissar
10	S.B. Borgaonkar	Maharashtra state annual rice group meeting	31 Jan 2018	Karjat	RARS, Karjat
11	R.N. Khandare	QRT meeting on LTFE	5-6 Feb 2018	Gujarat	AAU, Gujarat
12	A.L. Dhamak	QRT meeting biofertilizer	5-6 Feb 2018	Gujarat	AAU, Gujarat
13	M.K. Ghodke	Annual group meeting on safflower sesame and	26-28 April 2018	Bangalore	UAS, Bangalore

Faculty and Staff Development

		Niger			
14	A.M. Missal	Annual group meeting on safflower sesame and Niger	26-28 April 2018	Bangalore	UAS, Bangalore
15	D.S.Mutkule	Annual group meeting on safflower sesame and Niger	26-28 April 2018	Bangalore	UAS, Bangalore
16	A.K.Ghotmukle	Annual group meeting on safflower sesame and Niger	26-28 April 2018	Bangalore	UAS, Bangalore
17	K.S. Baig	International conference cotton & other fiber crops	20-23 Feb 2018	Meghalay	Umain, Meghalay
18	A.R.Gaikwad	International conference cotton and other fiber crops	20-23 Feb 2018	Meghalay	Umain, Meghalay
19	B.M. Rodge	International Mango conference	8-10 May 2018	Dapoli	BSKKV, Dapoli
20	K.S. Baig	Training programme at NBPGR	6-19 March 2018	New Delhi	NBPGR, New Delhi
21	U.M. Khodke	QRT meeting AICRP on water management	27-28 Feb 2018	Junagadh	JAU, Gujarat
22	L.N. Jawale	Germplasm field day	21-22 March 2018	Hyderabad	IIMR, Hyderabad
23	Mohd Ilyas	Germplasm field day	21-22 March 2018	Hyderabad	IIMR, Hyderabad
24	D.G. Dalvi	National workshop on decentralized seed system for climate resilient agriculture	8-9 March 2018	Hyderabad	MANAGE, Hyderabad
25	K.S.Baig	Training on plant genetic resources	6-19 March 2018	New Delhi	NBPGR, New Delhi
26	B.V. Asewar	One day workshop on drought management	12 march 2018	New Delhi	IARI, New Delhi
27	K.K. Dakhore	State level stakeholders meeting on agromet advisory services of Maharashtra	14 March 2018	Pune	PMKV, Rahuri
28	G,R. Munde	Research workers group meeting on AICRP on arid zone fruits	16-18 Feb 2018	Kamala Nagar	HRS, Kamala Nagar AP
29	A.S. More	Research workers group meeting on AICRP on arid zone fruits	16-18 Feb 2018	Kamala Nagar	HRS, Kamala Nagar AP
30	N.Y. Satpute	Annual group meeting on AICRP on pearl millet	22-24 March 2018	Jodhpur	AU, Jodhpur
31	G.P. Jagtap	Annual group meeting on AICRP on pearl millet	22-24 March 2018	Jodhpur	AU, Jodhpur
32	D.M. Lomate	Annual group meeting on AICRP on pearl millet	22-24 March 2018	Jodhpur	AU, Jodhpur
33	S.B. Pawar	Annual group meeting on AICRP on pearl millet	22-24 March 2018	Jodhpur	AU, Jodhpur

Faculty and Staff Development

34	R.C. Sawant	Annual group meeting on AICRP on pearl millet	22-24 March 2018	Jodhpur	AU, Jodhpur
35	S.B. Borgaonkar	Annual rice research group meeting	13-16 April 2018	Hyderabad	IIRR, Hyderabad
36	V.S. Khandare	Annual group meeting of AICRP on vegetable crops	18-21 May 2018	Jaipur	RARI, Jaipur
37	U.D. Bhise	Annual group meeting of AICRP on vegetable crops	18-21 May 2018	Jaipur	RARI, Jaipur
38	A.T. Daunde	Annual group meeting of AICRP on vegetable crops	18-21 May 2018	Jaipur	RARI, Jaipur
39	A.H. Rathod	Annual Group meeting of cotton	9-10 April 2018	Hissar	CCSHAU, Hissar
40	K.S. Baig	Annual Group meeting of cotton	9-10 April 2018	Hissar	CCSHAU, Hissar
41	D.V. Patil	Annual Group meeting of cotton	9-10 April 2018	Hissar	CCSHAU, Hissar
42	A.R. Gaikwad	Annual Group meeting of cotton	9-10 April 2018	Hissar	CCSHAU, Hissar
43	A.D. Pandagale	Annual Group meeting of cotton	9-10 April 2018	Hissar	CCSHAU, Hissar
44	S.M. Telang	Annual Group meeting of cotton	9-10 April 2018	Hissar	CCSHAU, Hissar
45	P.K. Doke	Annual Group meeting of cotton	9-10 April 2018	Hissar	CCSHAU, Hissar
46	L.S. Deshmukh	Annual Group meeting of Rice	13-16 April 2018	Hyderabad	IIRR, Hyderabad
47	L.N. Jawale	Annual Group meeting of Sorghum	21-23 April 2018	Rahuri	MPKV, Rahuri
48	Mohd Ilyas	Annual Group meeting of Sorghum	21-23 April 2018	Rahuri	MPKV, Rahuri
49	V.M. Gholve	Annual Group meeting of Sorghum	21-23 April 2018	Rahuri	MPKV, Rahuri
50	R.R. Dhutmal	Annual Group meeting of Sorghum	21-23 April 2018	Rahuri	MPKV, Rahuri
51	M.K. Ghodke	Annual Group meeting of Sunflower, Sesamum and niger	26-27 April 2018	Bangalore	UAS, Bangalore
52	A.M. Misal	Annual Group meeting of Sunflower, Sesamum and niger	26-27 April 2018	Bangalore	UAS, Bangalore
53	D.S. Mutkule	Annual Group meeting of Sunflower, Sesamum and niger	26-27 April 2018	Bangalore	UAS, Bangalore
54	A.K. Ghotmukale	Annual Group meeting of Sunflower, Sesamum & Niger	26-27 April 2018	Bangalore	UAS, Bangalore
55	V.S. Khandare	International mango conference	8-10 May 2018	Vengurla	MRS, Vengurla
56	S.R. Barkule	International mango conference	8-10 May 2018	Vengurla	MRS, Vengurla
57	R.D. Bhagele	International mango conference	8-10 May 2018	Vengurla	MRS, Vengurla
58	D.K. Patil	Annual Group meeting on Mullarp	28-30 April 2018	Dantiwada	SDAU, Dantiwada

Faculty and Staff Development

60	R.A, Chavan	Annual Group meeting on Mullarp	28-30 April 2018	Dantiwada	SDAU, Dantiwada
61	V.K. Gite	Annual Group meeting on Mullarp	28-30 April 2018	Dantiwada	SDAU, Dantiwada
62	G.P. Jagtap	National workshop on digitalization of pearl millet genetics and resource management	9-10 May 2018	Jodhpur	AICRP-PM Jodhpur
63	R.C. Sawant	National workshop on digitalization of pearl millet genetics and resource management	9-10 May 2018	Jodhpur	AICRP-PM Jodhpur
64	V.D. Solunke	Annual Group meeting on NSP	9-11 May 2018	Karaikal	PAJANCOA
65	D.G. Dalvi	Annual Group meeting on NSP	9-11 May 2018	Karaikal	PAJANCOA
66	G.S. Pawar	Annual Group meeting on NSP	9-11 May 2018	Karaikal	PAJANCOA
67	M.S. Dadke	Annual Group meeting on NSP	9-11 May 2018	Karaikal	PAJANCOA
68	R.M. Kokate	Annual Group meeting on NSP	9-11 May 2018	Karaikal	PAJANCOA
69	K.K.Dakhore	One day brain storming meeting	4May 2018	Pune	IMD
70	S.D.Bantewad	Annual Group meeting on Mullarp	28-30 April.2018	Dantiwada	SDAU Dantiwada
71	K.K.Dakhore	Annual Group meeting on NICRA	30-31 May 2018	Kanpur	CSAU Kanpur
72	K.K.Dakhore	Kharif Adhava Baithak 2018	2 May 2018	Mumbai	Mantralay Mumbai
73	J.E.Jahagirdar	Annual Pigeon pea Group meeting	2 May 2018	Mumbai	PJTSAU, Hyderabad
74	S.D.Bantewad	Annual Pigeon pea Group meeting	19-21 May 2018	Hyderabad	PJTSAU, Hyderabad
75	P.H.Ghante	Annual Pigeon pea Group meeting	19-21 May 2018	Hyderabad	PJTSAU, Hyderabad
76	V.K.Gite	Annual Pigeon pea Group meeting	19-21 May 2018	Hyderabad	PJTSAU, Hyderabad
77	P.A.Pagar	Annual Pigeon pea Group meeting	19-21 May 2018	Hyderabad	PJTSAU, Hyderabad
78	S.B.Ghadge	QRT Meeting on Safflower	21-22 May 2018	Pune	Bharati Vidyapeeth Pune
79	C.B.Patil	QRT Meeting on Safflower	21-22 May 2018	Pune	Bharati Vidyapeeth, Pune
80	S.V.Pawar	QRT Meeting on Safflower	21-22 May 2018	Pune	Bharati Vidyapeeth Pune

Faculty and Staff Development

81	B.V.Asewar	Annual Review Workshop of AICRPDA / NICRA	27-29 May 2018	Hyderabad	CRIDA Hyderabad
82	A.K.Gore	Annual Review Workshop of AICRPDA / NICRA	27-29 May 2018	Hyderabad	CRIDA Hyderabad
83	M.S.Pendke	Annual Review Workshop of AICRPDA / NICRA	27-29 May 2018	Hyderabad	CRIDA Hyderabad
84	L.N.Jawale	Intellectual Property Right Training	28-30 May 2018	Pune	YCV, Prabhodini Pune
85	K.K.Dakhore	Annual meeting AICRPAM	18-19 June 2018	Bangalore	UAB Bangalore
86	K.K.Dakhore	2 days Training on Agromet DSS	28-29 May 2018	Pune	WOTR Pune
87	S.T.Shirale	Training on GHG Initiation Carbon Segmentation estimation	26-28 June2018	Modipurum	ICAR IIFR Modipurum
88	M.K. Ghodke	Training on GHG Initiation Carbon Segmentation estimation	26-28 June2018	Modipurum	ICAR IIFR Modipurum
89	D.S.Mutkule	Annual Group meeting on Sesame & Niger	17-19 May 2018	Hyderabad	IIOR Hyderabad
90	V.D. Salunke	Wheat & Barley Workers Meet	24-26 Aug 2018	Ranchi	Bisra Agril. University Ranchi
91	U.D.Khodke	Biannual workshop Water Management	24-26 Aug 2018	Ranchi	Bisra Agril. University Ranchi
92	U.N.Karad	Biannual workshop Water Management	13-15 June 2018	Dapoli	BSKKV,Dapoli
93	B.V.Asewar	Training at NAARM	July 2018	Hyderabad	NAARM, Hyderabad
94	V.M.Gholve	National Symposium on Indian Phytopathological Society	23-24 Aug 2018	Nagpur	COA, Nagpur
95	A.M.Misal	Annual Group Meeting Safflower & Linseed	10-12 Aug 2018	Ranchi	Bisra Agril. University Ranchi
96	S.V.Dhutraj	Summer School Training climate change and abiotic stress management strategies for doubling farmers income	7-27 Sept.2018	Baramati	NIASM Baramati

Faculty and Staff Development

97	A.T.Daunde	Summer School Training climate change and abiotic stress management strategies for doubling farmers income:	7-27 Sept.2018	Baramati	NIASM Baramati
98	V.N.Chinchane	Winter School Programm on Maintenance breeding & assured quality seed production	11/9 to 1/10/2018	Jhanshi	IGFRI Jhanshi
99	J.F.Jahagirdar	Annual Group Meeting AICRP on Chickpea	11/9 to 1/10/2018	Jhanshi	IGFRI Jhanshi
100	D.K.Patil	Annual Group Meeting AICRP on Chickpea	11/9 to 1/10/2018	Jhanshi	IGFRI Jhanshi
101	R.A. Chavan	Annual Group Meeting AICRP on Chickpea	11/9 to 1/10/2018	Jhanshi	IGFRI Jhanshi
102	A.H.Rathod	Winter School Training Maintenance breeding & assured quality seed production	27-29 Aug. 2018	Jhanshi	IGFRI Jhanshi
103	G.S. Pawar	4 th Intimating Plant Physiology Conference	2-5 Dec. 2018	Lucknow	Lucknow
104	K.K.Dakhore	2 day Hands on training workshop on Agromet	30-31 May 2018	Kanpur	CASUAT Kanpur
105	S.D.Bentewad	Annual Group Meeting Chickpea	30-31 May 2018	Durgapur	RARI Durgapur
106	P.A.Pagar	Annual Group Meeting Chickpea	27-29 Aug 2018	Durgapur	RARI Durgapur
107	S.B.Kadam	CAFT Training	5-25 Sept. 2018	Nagar	CBPUAT US Nagar
108	S.M.Telang	Orientation Workshop IRM	14 Aug 2018	Nagpur	CICR Nagpur
109	A.M.Misal	Training on Developing Winning Proposal	23-28 Aug.2018	Hyderabad	NAARM Hyd
110	K.S.Baig	Training on Developing Winning Proposal	23-28 Aug.2018	Hyderabad	NAARM Hyd
111	M.B.Patil	Current and emerging trends in plant health	23-24 Aug. 2018	Goa	Goa
112	M.V.Dhuppe	Short course on Phonemics Next Generation Phenotyping for trait Dissection and crop Improvement	22-31 Oct 2018	New Delhi	IARI New Delhi
113	S.G.Patil	Winter School Innovation approaches for Improvement of Perennial Horti. Crops	16 Nov-6 Dec. 2018	New Delhi	IART New Delhi
114	K.K.Dakhore	Meeting on Remote Sensing	30-31 Aug 2018	Nagpur	MRSAC, Nagpur
115	A.H.Rathod	Winter School on Maintenance Breeding	11 Sept to 1 Oct 2018	Jhansi	ICAR-IGFRT Jhansi
116	A.K.Gore	Shendaria Sheti Karysala	15 Sept. 2018	Nashik	Nashik
117	G.R.Munde	National Conference Arid Hort.for enhancing	27-29 Oct 2018	Bikaner	CIAH Bikaner

Faculty and Staff Development

		productivity and economic empowerment			
118	S.B.Ghugre	QRT, Meeting of Safflower	27-29 Oct 2018	Pune	Bharathi Vidyapeeth Pune
119	D.H.Sarang	QRT, Meeting of Safflower	7-8 Sept. 2018	Pune	Bharathi Vidyapeeth Pune
120	S.V.Pawar	QRT, Meeting of Safflower	7-8 Sept. 2018	Pune	Bharathi Vidyapeeth Pune
121	S.J.Adikine	CAFT Training Application of Molecular Marking	22 Nov-12 Dec.2018	Coimbatore	TNAU Coimbatore
122	B.V.Asewar	National workshop Promotion of developing climate resilient villages for sustainable food	4-5 Oct. 2018	Hydrabad	MANAGE, Hyd
123	M.B.Patil	Two days Indo-Israel cluster workshop on Mango	9-10 Oct. 2018	IIAP Kolar	Karnataka
124	S.G.Patil	Two days Indo-Israel cluster workshop on Mango	9-10 Oct. 2018	IIAP Kolar	Karnataka
125	K.K.Dakhore	Annual consolation on adapting Agril. in semi arid aera	3-4 Oct. 2018	Pune	WOTR Pune
126	A.L.Dhamak	National Seminar on Development in soil science	27-30 Nov.2018	Anand	ISSS Anand Agril. University Gujarat
127	S.B.Pawar	Pearl Millet Scientists field day	3-4 Oct. 2018	Hyderabad	ICRISAT, Hyderabad
128	D.K.Patil	Pearl Millet Scientists field day	3-4 Oct. 2018	Hyderabad	ICRISAT Patancheru
129	G.P.Jagtap	Pearl Millet Scientists field day	3-4 Oct. 2018	Hyderabad	ICRISAST Patancheru
130	S.R.Barkule	Training on Advances in Production Tech. and Post harvest mgt in fruit crops	Nov.14 to Dec. 4 2018	Rahuri	Dept.of Hort. MPKV Rahuri
131	S.N.Kale	National workshop on Gond painting	12 Oct,2018	Coimbatore	Dept of Apparel & Fashion Designing PSH Coimbatore

Faculty and Staff Development

132	D.S.Chauhan	Asian Regional Conference on Goats	22-26 Oct 2018	Jaipur	Amity Uni Rajasthan
133	G.P.Jagtap	Field Day on Pearl millet at Jodhpur	24-25 Sept. 2018	Jodhpur	AICRP Jodhpur
134	Dr. R.S.Jadhav	Training on Pest Surveillance	12-16 Nov 2018	Hyderabad	NIPHM Hyderabad
135	Dr. D.K.Patil	National Level workshop on Millets	28 Sept. 2018	Pune	VAMN Pune
136	G.P.Jagtap	Field day organized by PC on Pearl millet	24-25 Setp.2018	Jodhpur	AICRP PM Jodhpur
137	Sunita Kale	National workshop on Gond Painting	12/10/2018	Coimbatore	PSG College of Tech. Coimbatore
138	Sangita Naik	National workshop on Gond Painting	12/10/2018	Coimbatore	PSG College of Tech. Coimbatore
139	M.V.Ghodke	State Level workshop on use of Drone Technology in agriculture	24/09/2018	Latur	Latur
140	Smita Solanki	State Level workshop on use of Drone Technology in agriculture	24/09/2018	Latur	Latur
141	K.K.Dakhore	State Level workshop on use of Drone Technology in agriculture	24/09/2018	Latur	Latur
142	D.S.Perke	State Level workshop on use of Drone Technology in agriculture	24/09/2018	Latur	Latur
143	S.M.Teleng	State Level workshop on use of Drone Technology in agriculture	24/09/2018	Latur	Latur
144	S.R.Barkule	Training on Advance in Production Technology and Post Harvest Management	14 Nov. to 4 Dec. 2018	Rahuri	MPKV,Pahuri
145	S.B.Pawar	Pearl Millet Scientist Field Day	3-4 Oct 2018	Aurangabad	NARP Aurgangbad
146	D.K.Patil	Pearl Millet Scientist Field Day	3-4 Oct 2018	Aurangabad	NARP Aurgangbad
147	G.P.Jagtap	Pearl Millet Scientist Field Day	3-4 Oct 2018	Aurangabad	NARP

Faculty and Staff Development

					Aurangabad
148	A.L.Dhamak	Participate and Present research in seminar on Development in soil science	27-30 Nov. 2018	Gujarat	Anad University Gujarat
149	HOD Entomology	Training Programme on fruit fly	29/102018 to 02.11.2018	Rajendra Nagar	NIPHM Rajendra Nagar
150	D.G. More	NIPHM Project Annul Workshop	29-31 2018	Kalyani	BCKV, Kalyani West Bengal
151	A.L.Dhamak	The State Level Seminar on fostering soils	30-31 Oct 2018	Rahuri	Rahuri
152	B.V.Asewar	Biennial Workshop of AICRPDA	15-17 Nov 2018	Vijaypur	Vijaypur Karnataka
153	M.B.Patil	Masav course on Agril. center of excellence-generating value for farmers	16-28 Dec. 2018	Isreal	Isreal
154	S.R. Barkule	Masav course on Agril. center of excellence-generating value for farmers	16-28 Dec. 2018	Isreal	Isreal
155	K.K. Dakhore	Biannual Workshop of AICRPM	15-17 Nov,2018	Vijaypura	Karnataka.
156	K.S.Baig	Permission to visit NHH 44 Seed Production	1-3 Nov,218	Gujrat	Gujrat
157	R.N. Khandare	State Level Seminar 2018 on fostering soils to meet emerging challenges in Agril.	30-31 Oct 2018	Rahuri	MPKV Rahuri
158	N.V.Yelvikar	State Level Seminar 2018 on fostering soils to meet emerging challenges in Agril.	30-31 Oct 2018	Rahuri	MPKV Rahuri
159	S.H. Narale	International Symposium – Advancement in soil, water and plant nutrition research	2 Nov 2018	Nagpur	COA Nagpur
160	Jayshree Zend	Ergonomic conference HWWE-2018	14-16 Dec 2018	Kerala	COAE Trivandrum
161	G.K.Gaikwad	Annual Workshop NIPHM-IUCFP	29-30 Oct 2018	Kalyani	BCKV Kalyani
162	T.N. Khan	Golden Jubilee Conference of Nutritional society of India	15-17 Nov 2018	Hyderabad	Hyderabad
163	K.K.Dakhore	Annual Science Meeting GKMS	3-6 Dec 2018	Tirupati	RARS Tirupati
164	N.S.Kale	National Workshop cum Training – Hygiene products	13-15 Nov 2018	Coimbatore	SITRA Coimbatore
165	A.R.Gaikwad	National training Contemporary approaches to Plant Genetic Resource mgt	27 Nov to 17 Dec 2018	New Delhi	NBPGR New Delhi

Faculty and Staff Development

166	B.V.Asewar	International Conference on Dryland Development	11-14 Feb 2018	Jodhpur	Jodhpur
167	R.R.Dhutmal	Training Course on Breeding approaches	10-14 Dec 2018	New Delhi	NBPGR New Delhi
168	A.S.Jadhav	National Seminar Potential Prospects and strategies for doubling farmers income	15-16 Dec 2018	Akola	PDKV Akola
169	A.S.Karle	National Seminar Potential Prospects and strategies for doubling farmers income	15-16 Dec 2018	Akola	PDKV Akola
170	B.V.Asewar	National Seminar Potential Prospects and strategies for doubling farmers income	15-16 Dec 2018	Akola	PDKV Akola
171	U.D.Khodke	National Seminar Potential Prospects and strategies for doubling farmers income	15-16 Dec 2018	Akola	PDKV Akola
172	D.S.Chavan	National Seminar Potential Prospects and strategies for doubling farmers income	15-16 Dec 2018	Akola	PDKV Akola
173	C.B.Latpate	National Seminar Potential Prospects and strategies for doubling farmers income	15-16 Dec 2018	Akola	PDKV Akola
174	M.S.Pendke	National Seminar Potential Prospects and strategies for doubling farmers income	15-16 Dec 2018	Akola	PDKV Akola
175	L.N. Jawale	I st National Genetic Congress	14-16 Dec 2018	New Delhi	IARI, New Delhi
176	A.T. Daunde	Training on modern concept in plant disease mgt for enhancing quality and productivity	8-28 Feb 2019	Uttarakhand	GBPNAT, Uttarakhand
177	D.S. Mutkule	Training programme on risk assessment and mgt of Non insect pest for sustainable agriculture	7-16 Jan 2019	Navsari	NMCOA, Navsari
178	G.R. Munde	National Conference Arid Horticulture	27-29 Oct 2019	Bikaner	CIAH, Bikaner
179	S.B.Shinde	National Conference Arid Horticulture	27-29 Oct 2019	Bikaner	CIAH, Bikaner
180	A.G. Tondare	National Conference Arid Horticulture	27-29 Oct 2019	Bikaner	CIAH, Bikaner
181	A.S. More	National Conference Arid Horticulture	27-29 Oct 2019	Bikaner	CIAH, Bikaner
182	B.V. Asewar	VNM National seminar on potential production and strategies for doubling farmers income	15-16 Dec 2018	Akola	Dr.PDKV, Akola
183	M.S. Pendke	VNM National seminar on potential production and strategies for doubling farmers income	15-16 Dec 2018	Akola	Dr.PDKV, Akola
184	D.P. Waskar	VNM National seminar on potential production and	15-16 Dec 2018	Akola	Dr.PDKV, Akola

Faculty and Staff Development

		strategies for doubling farmers income			
185	A.K. Gore	VNM National seminar on potential production and strategies for doubling farmers income	15-16 Dec 2018	Akola	Dr.PDKV, Akola
186	S.N.Narale	VNM National seminar on potential production and strategies for doubling farmers income	15-16 Dec 2018	Akola	Dr.PDKV, Akola
187	M.S. Samindre	VNM National seminar on potential production and strategies for doubling farmers income	15-16 Dec 2018	Akola	Dr.PDKV, Akola
188	P.K. Doke	VNM National seminar on potential production and strategies for doubling farmers income	15-16 Dec 2018	Akola	Dr.PDKV, Akola
189	S.M. Telang	VNM National seminar on potential production and strategies for doubling farmers income	15-16 Dec 2018	Akola	Dr.PDKV, Akola
190	D.V. Patil	VNM National seminar on potential production and strategies for doubling farmers income	15-16 Dec 2018	Akola	Dr.PDKV, Akola
191	K.K. Dakhore	VNM National seminar on potential production and strategies for doubling farmers income	15-16 Dec 2018	Akola	Dr.PDKV, Akola
192	S.S. Dhurgude	Training on on farm production of biocontrol agents and microbial bio-pesticides	2-11 Jan 2019	Hyderabad	NIPHM Hyderabad
193	V.D. Salunke	Group meeting wheat & maize	14-16 Feb 2019	Palampur	CSK Palampur
194	V.K. Khargkharate	National training management of tech. & innovation	21-25 Jan 2019	Hyderabad	Osmania Uni, Hyderabad
195	D.C. Lokhande	Annual workshop integrated farming system	20-23 Dec 2018	Bangalore	UAS Bangalore
196	K.K. Dakhore	Capacity enhancing programme	16-25 Feb 2019	Ranchi	BAU, Ranchi
197	K.K. Dakhore	Meeting innovative contractual agromet advisory services	9-11 Jan 2019	Hyderabad	ICRISAT Hyderabad
198	S.V. Pawar	Monitoring of AICRP on Safflower pathology	21-26 Jan 2019	Hyderabad	IIOR Hyderabad
199	K.K. Dakhore	one day small group project meeting	4 Jan 2019	Pune	Pune
200	B.V. Asewar	Annual workshop of AICRP on dryland agril	16-19 Jan 2019	Bengaluru	UAS Bengaluru
201	M.S. Pendke	Annual workshop of AICRP on dryland agril	16-19 Jan 2019	Bengaluru	UAS Bengaluru

Faculty and Staff Development

202	G.R. Hanwate	Annual workshop on AICRP on dryland agril	16-19 Jan 2019	Bengaluru	UAS Bengaluru
203	P.O. Bhutada	Training on entrepreneurship development for women scientist	2019	New Delhi	DST Govt of India
204	K.K. Dakhore	Annual workshop of AICRP for dryland agril	16-19 Jan 2018	Bengaluru	UAS, Bengaluru
205	Y.E. Kadam	International symposium advances in agro meteorology for managing climate risks of farmer	11-13 Feb 2018	New Delhi	JNU, New Delhi
206	P.B. Shinde	International symposium advances in agro meteorology for managing climate risks of farmer	11-13 Feb 2018	New Delhi	JNU, New Delhi
207	A.D. Nirval	International symposium advances in agro meteorology for managing climate risks of farmer	11-13 Feb 2018	New Delhi	JNU, New Delhi
208	K.K. Dakhore	International symposium advances in agro meteorology for managing climate risks of farmer	11-13 Feb 2018	New Delhi	JNU, New Delhi
209	A.K. Gore	Brain storming workshop on organic farming research	29 Jan 2019	Rahuri	MPKV, Rahuri
210	S.A. Jawale	Brain storming workshop on organic farming research	29 Jan 2019	Rahuri	MPKV, Rahuri
211	A.K. Kadam	Brain storming workshop on organic farming research	29 Jan 2019	Rahuri	MPKV, Rahuri
212	B.B. Dharbale	Brain storming workshop on organic farming research	29 Jan 2019	Rahuri	MPKV, Rahuri
213	S.V. Uphade	Brain storming workshop on organic farming research	29 Jan 2019	Rahuri	MPKV, Rahuri
214	R.R. Dhutmal	Sorghum germplasm field day	30 Jan 2019	Hyderabad	IIMR Hyderabad
215	S.B. Ghuge	National seed congress	19-21 Feb 2019	Varanashi	BHU Varanashi
216	A.T. Daunde	Vegetable science congress	1-3 Feb 2019	Jodhpur	Jodhpur
217	R.D. Baghele	1 st International symposium on edible alliums challenges and opportunities	9-12 Feb 2019	Pune	Pune
218	G.S. Pawar	1 st International symposium on edible alliums challenges and opportunities	9-12 Feb 2019	Pune	Pune
219	A.K. Gore	53 rd Maharashtra state annual group meeting	26 Feb 2019	Karjet	RARS Raigad

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220	S.P. Mehtre	49 th annual group meeting of AICRP on soybean	16-18 March 2019	Jarkhand	Jarkhand
221	M.B. Patil	National workshop on plant protection techniques	6-7 March 2019	Hyderabad	Hyderabad
222	S.N. Solanki	International congress on entrepreneurship in agril and renewable energy sector	15-16 March 2019	Akola	PDKV, Akola
223	S.B. Pawar	54 th Annual group meeting of AICRP on pearl millet	15-17 March 2019	New Delhi	ICAR New Delhi
224	D.K. Patil	54 th Annual group meeting of AICRP on pearl millet	15-17 March 2019	New Delhi	ICAR New Delhi
225	G.P. Jagtap	54 th Annual group meeting of AICRP on pearl millet	15-17 March 2019	New Delhi	ICAR New Delhi
226	D.M. Lomate	54 th Annual group meeting of AICRP on pearl millet at ICAR	15-17 March 2019	New Delhi	ICAR New Delhi
227	S.G. Puri	AGM Home Science	15-16 Feb 2019	Udaipur	Udaipur
2019 - 2020					
228	V.D. Salunke	Meeting of AICRP national seed project crops ICAR seed project at CCSHAU	7-9 April 2019	Hissar	CCSHAV Hissar
229	D.G. Dalavi	Meeting of AICRP national seed project crops ICAR seed project at CCSHAU	7-9 April 2019	Hissar	CCSHAV Hissar
230	G.S. Pawar	Meeting of AICRP national seed project crops ICAR seed project at CCSHAU	7-9 April 2019	Hissar	CCSHAV Hissar
231	M.S. Dadke	Meeting of AICRP national seed project crops ICAR seed project at CCSHAU	7-9 April 2019	Hissar	CCSHAV Hissar
232	R.M. Kokate	Meeting of AICRP national seed project crops ICAR seed project at CCSHAU	7-9 April 2019	Hissar	CCSHAV Hissar
233	A.K. Gore	54 th annual rice group meeting ICAR	19-22 April 2019	Orissa	Orissa
234	K.S. Baig	Relevance of cotton breeding brain storming	3 April 2019	New Delhi	NASC New Delhi
235	K.K. Dakhore	Annual workshop of AICRP NICRA	26-28 May 2019	Hyderabad	NICRA Hyderabad
236	Mohd Ilyas	Regional workshop on Fall army worm	1-3 May 2019	Hyderabad	ICRISAT Hyderabad
237	S.S. Dhurgude	Training on mass production of biological control agents	2-4 May 2019	New Delhi	ICAR New Delhi

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238	M.K. Ghodake	AGM on safflower sesame and Niger	2-4 May 2019	Tirupati	RARS Tirupati
239	A.M. Misal	AGM on safflower sesame and Niger	2-4 May 2019	Tirupati	RARS Tirupati
240	D.S. Mutkule	AGM on safflower sesame and Niger	2-4 May 2019	Tirupati	RARS Tirupati
241	A.K. Ghotmukale	AGM on safflower sesame and niger	2-4 May 2019	Tirupati	RARS Tirupati
242	K.K. Dakhore	Brain storming meeting on agro-meteorology	10 May 2019	Anand	AAV Anand
243	K.S. Baig	Annual workshop on cotton	30-31 May 2019	Guntur AP	ANGRU Guntur
244	D.V. Patil	Annual workshop on cotton	30-31 May 2019	Guntur AP	ANGRU Guntur
245	S.M. Telang	Annual workshop on cotton	30-31 May 2019	Guntur AP	ANGRU Guntur
246	A.R. Gaikwad	Annual workshop on cotton	30-31 May 2019	Guntur AP	ANGRU Guntur
247	A.D. Pandagale	Annual workshop on cotton	30-31 May 2019	Guntur AP	ANGRU Guntur
248	P.k. Dhoke	Annual workshop on cotton	30-31 May 2019	Guntur AP	ANGRU Guntur
249	S.N.Kale	Grain storming workshop home science	29-30 April 2019	Hyderabad	PJTSAU Hyb
250	H.M. Sayad	Annual group meeting arid legume	19-21 May2019	Guntur	ANGRU Guntur
251	J.E. Jahagirdar	Annual group meeting arid legume	19-21 May2019	Guntur	ANGRU Guntur
252	S.D. Bantewad	Annual group meeting of AICRP on pigeon pea	25-27 May 2019	Kota	Agril Uni. Kota
253	P.H. Ghante	Annual group meeting of AICRP on pigeon pea	25-27 May 2019	Kota	Agril Uni. Kota
254	C.B. Patil	Annual group meeting of AICRP on pigeon pea	25-27 May 2019	Kota	Agril Uni. Kota
255	S.N.Kale	Brain storming workshop home science	29-30 April 2019	Hyderabad	PJTSAU Hyderabad
256	L.N. Jawale	49 th annual sorghum group meeting of AICRP	28-29 may 2019	Hissar	CCS Hissar
257	R.R. Dhutmal	49 th annual sorghum group meeting of AICRP	28-29 may 2019	Hissar	CCS Hissar
258	Mohd Ilyas	49 th annual sorghum group meeting of AICRP	28-29 may 2019	Hissar	CCS Hissar
259	V.M Gholve	49 th annual sorghum group meeting of AICRP	28-29 may 2019	Hissar	CCS Hissar
260	P.O. Bhutada	49 th annual sorghum group meeting of AICRP	28-29 may 2019	Hissar	CCS Hissar
261	G.S. Pawar	13 th annual review meeting of mission for integrated development of Horticulture	11-12 June 2019	Bhubneshwar	Uni.of agril Bhubneshwar
262	S.V. Chinchane	Annual group meeting of AICRP on cotton	30-31 May 2019	Guntur	ANGRU Guntur
263	K.K. Dakhore	Meeting for a joint analysis of mah sugar ,mills at space application center ISRO	10-14 June 2019	Ahmadabad	ISRO Ahmadabad

Faculty and Staff Development

264	V.S. Khandare	Annual group meeting of AICRP on vegetable	22-25 June 2019	Coimbatore	TNAU Coimbatore
265	A.T. Daunde	Annual group meeting of AICRP on vegetable	22-25 June 2019	Coimbatore	TNAU Coimbatore
266	R.D. Baghele	Annual group meeting of AICRP on vegetable	22-25 June 2019	Coimbatore	TNAU Coimbatore
267	M.B. Patil	International conference of Center of excellence	19-21 June 2019	Dingidul	Tamilnadu
268	S.G. Patil	International conference of Center of excellence	19-21 June 2019	Dingidul	Tamilnadu
269	K.K. Dakhore	Workshop on developing village level contingency crop plans	20-21 June 2019	Rahuri	MPKV, Rahuri
270	C.B. Latpate	Training programme on extension management approaches for promotion on sericulture industry	5-9 August 2019	Hyderabad	MANAGE Hyderabad
271	K.K. Dakhore	Short course on remote sensing and energy analysis	6-28 Jan 2019	Dehradun	IIRS, GOI Dehradun
272	B.V. Asewar	Annual review workshop on AICRP NICRA	26-28 May 2019	Hyderabad	CRIDA Hyderabad
273	M.S. Pendke	Annual review workshop on AICRP NICRA	26-28 May 2019	Hyderabad	CRIDA Hyderabad
274	V.N. Chinchane	Annual group meeting of cotton	30-31 May 2019	Guntur	ANGRU Guntur
275	A.K. Gore	Annual group meeting of rice	30- May-2 June 2019	Cuttack	NIRR, Cuttack
276	A.K. Gore	VN award distribution ceremony	16-July 2019	New Delhi	ICAR New Delhi
277	V.N. Chinchane	Meeting on sharing of parental lines	24-July 2019	Rahuri	MPKV, Rahuri
278	V.D. Salunke	Wheat and Barley research workers meet	24-26 August 2019	Indore	Res.Station Indore
279	K.K.Dakhore	Resource person for training on agro-meteorology	19-20 August 2019	Solapur	NRC, Solapur
280	K.K.Dakhore	Review meeting on PoCRA	27 August 2019	Hyderabad	CRDIA, Hyderabad
281	A.H. Rathod	Hands on training on hybridization in soybean	29-31 August 2019	Indore	IISR, Indore
282	D.C. lokhande	Hands on training for on farm agronomist of on	27-29 August2019	Manipuaram	IIFSR

Faculty and Staff Development

		line submission			Manipuaram
283	D.K. Patil	AGM on chickpea	27-29 August 2019	Ranchi	BAU, Ranchi
284	S.D. Bantewad	AGM on chickpea	27-29 August 2019	Ranchi	BAU, Ranchi
285	C.B. Patil	AGM on chickpea	27-29 August 2019	Ranchi	BAU, Ranchi
286	P.B. Shinde	Training on preparation and dissemination of agromet advisory	19-20 August 2019	Solapur	NRC Solapur
287	M.K. Ghodke	AGM on Safflower & linseed	4-7 Sept 2019	Kanpur	CSAUST Kanpur
288	A.M. Missal	AGM on Safflower & linseed	4-7 Sept 2019	Kanpur	CSAUST Kanpur
289	S.B. Ghuge	AGM on Safflower & linseed	4-7 Sept 2019	Kanpur	CSAUST Kanpur
290	P.O. Bhutda	AGM on Safflower & linseed	4-7 Sept 2019	Kanpur	CSAUST Kanpur
291	D.H. Sarang	AGM on Safflower & linseed	4-7 Sept 2019	Kanpur	CSAUST Kanpur
292	R.N. Khandare	Training on explanation of beneficial microbes in organic agriculture	4-7 Sept 2019	Assam	Agril.Uni. Assam
293	K.K. Dakhore	Training in data science	21 Sept- 11 Oct 2019	New Delhi	IARI, New Delhi
294	C.B. Latpate	Training in advances in biology conservation, rearing & mgt of APS s and Non APS bees	4-24 Oct 2019	Hissar	CCS Hissar
295	S.P. Kausalye	AGM on Sugarcane	14-16 Oct 2019	Dharwad	UAS Dharwad
296	R.D. Bhagele	Winter school on breeding & genomic tool for stress resistance in vegetable crops	23-12 Oct 2019	New Delhi	IARI New Delhi
297	R.S. Jadhav	Crop protection to outsmart climate change for food security & environment consent	10-14 Nov 2019	Hyderabad	IARISAT Hyderabad
298	S.P. Kausalye	Advances in micro irrigation & fertigation for water use efficiency and crop production	2-11 Dec 2019	Palampur	CSKHPKV Palampur
299	P.O. Bhutda	Winter school technology advisory advances made priorities and future strategies in organic	3-23 Dec 2019	Parbhani	VNMKV, Parbhani

Faculty and Staff Development

		agriculture			
300	G.S. Pawar	Training on innovative breeding approaches stress tolerance	20 Nov-10Dec 2019	Coimbatore	TNAU Coimbatore
301	T.N. Khan	Meeting for finding res programme for upcoming EFC 2020-25	30-31 August 2019	Bhubaneswar	CIWA Bhubaneswar
302	B.R. Gajbhiye	Summer school training on Land resource management for climate smart agriculture	3-23 Sept 2019	Nagpur	NBSS&LUP Nagpur
303	G.S. Pawar	Monitoring member of central zone	20-25 Sept	MAU	IISS, MAU
304	J.S. Jahagirdar	Meeting of O/I of AICRP on sorghum	27-28 August 2019	Hyderabad	IIMR Hyderabad
305	G.R. Munde	Training on quality fruit production	14-23 Oct 2019	Lucknow	CISTH Lucknow
306	C.B. Latpate	International congress of ISC on sericulture	19-22 Nov 2019	Japan	TSUKUBA Japan
307	V.R. Ghuge	Training doubling farmers income through integrated farming system	18-27 Nov 2019	Parbhani	VNMKV, Parbhani
308	Mohd Ilyas	International conference of GAAFFS 2019	1-2 Dec 2019	Nainityal, Uttarakhand	Uni.of Kunam Uttarakhand
309	A.K. Gore	Int- conference Global research initiatives for sustainable Agril. and Allied science	20-22 Oct 2019	Hyderabad	NAARM, Hyderabad
310	G.K. Gaikwad	Review meeting of DAC -NIPHM	19-20 Dec 2019	Hyderabad	NIPHM, Hyd
311	D.G. More	Review meeting of DAC-NIPHM	19-20 Dec 2019	Hyderabad	NIPHM, Hyderabad
312	T.N. Khan	Unit meeting for extension & nutrition	5-6 Nov 2019	Udaipur	Udaipur
313	S.G. Puri	Unit meeting for extension & nutrition	5-6 Nov 2019	Udaipur	Udaipur
314	A.K. Gore	Meeting at ICAR NIPB, New Delhi	4 March 2020	New Delhi	NIPB, New Delhi
315	A.B. Jadhav	Permission to attend meeting at ICAR NIPB, New Delhi	4 March 2020	New Delhi	NIPB, New Delhi
2020 - 2021					
316	K.R. Kamble	Online refresher course on recent advances in millet research	10-31 Dec 2019	Hyderabad	IIMR Hyderabad
317	G.M. Kote	Online refresher course on recent advances in	10-31 Dec 2019	Hyderabad	IIMR Hyderabad

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		millet research			
318	Mohd Ilyas	Online refresher course on recent advances in millet research	10-31 Dec 2019	Hyderabad	IIMR Hyderabad
319	V.M. Gholve	Online refresher course on recent advances in millet research	10-31 Dec 2019	Hyderabad	IIMR Hyderabad
320	S.B. Pawar	Online refresher course on recent advances in millet research	10-31 Dec 2019	Hyderabad	IIMR Hyderabad
321	A.B. Bagade	Online refresher course on recent advances in millet research	10-31 Dec 2019	Hyderabad	IIMR Hyderabad
322	K.K. Dakhore	Linseed programme	20Jan 2021	ORS Latur	ORS Latur
323	P.L. Sontakke	National training on mushroom production and processing tech	2-22March 2021	Raipur	IGKV, Raipur
2021 - 2022					
324	A.B. Jadhav	Online national certificate course on policies institution and marketing for climate small agriculture	9-28 August 2021	Rahuri	MPKV, Rahuri
325	A.K. Gore	Online national certificate course on policies institution and marketing for climate small agriculture	9-28 August	Rahuri	MPKV, Rahuri
326	W.N. Narkhede	5 th Agronomy conference	23-27 Nov 2021	Hyderabad	PJTSAU Hyd
327	S.M. Umate	Advances wheat improvement - online course	2 August -1Oct 2021	Cymmyt	Inst maize & wheat improve center Cymmyt
328	S.B. Borgaonkar	National certificate course NAHEP Rahuri	9-27 August- 2021	NAHEP Rahuri	NAHEP Rahuri
329	P.O. Bhutda	5 th Agronomy congress	23-27 Nov 2021	Hyderabad	PJTSAU Hyderabad
330	V.M. Gholve	5 th Agronomy congress	23-27 Nov 2021	Hyderabad	PJTSAU Hyderabad
331	R.N. Khandare	Online Annual convention of Ind.Society of Soil Science	16-21 Nov 2021	Birbhum	IAVB, West Bengal

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332	G.D. Gadade	5 th Agronomy congress	23-27 Nov 2021	Hyderabad	PJTSAU Hyderabad
333	R.N.Khandare	National symposium IPSWZ-2021	17-18 Nov 2021	CoA Latur	CoA Latur
334	P.H.Ghante	National symposium IPSWZ	17-18 Nov 2021	CoA Latur	CoA Latur
335	D.S. Mutkule	National symposium IPSWZ	17-18 Nov 2021	CoA Latur	CoA Latur
336	P.L.Sontakke	National symposium IPSWZ	17-18 Nov 2021	CoA Latur	CoA Latur
337	Jashree Rodge	Seminar on Extension Education	24-25 Jan 2022	Junagadh	Agril Uni. Junagadh
338	S.A. Shinde	International Agronomy Congress	23-27 Nov 2021	Hyderabad	PJTSAU Hyderabad
339	K.K.Dakhore	National Conference on Managing weather & climate risks in Agriculture	24-26 Mar.2022	Kashmir	SKUAST Kashmir
340	Y.E.Kadam	National Conference on Managing weather	24-26 Mar.2022	Kashmir	SKUAST Kashmir
341	A.S.Jadhav	National Conference on Managing weather	24-26 Mar.2022	Kashmir	SKUAST Kashmir
342	S.M.Umate	Orientation training on methods and techniques for crop improvement	9-11 Mar.2022	Karnal	ICAR-II WBR Karnal
343	C.V.Ambadkar	International Conference on Pt Path: Retrospect & prospect	23-26 Mar.2022	Jobner	Rajasthan
2022 - 2023					
344	Khijar Baig	Annual Group Meeting of AICRP on Cotton	6-8 April.2022	Coimbatore	TNAU, Coimbatore
345	Chinchane	Annual Group Meeting of AICRP on Cotton	6-8 April.2022	Coimbatore	TNAU, Coimbatore
346	A.R.Gaikwad	Annual Group Meeting of AICRP on Cotton	6-8 April.2022	Coimbatore	TNAU, Coimbatore
347	A.R.Pandagale	Annual Group Meeting of AICRP on Cotton	6-8 April.2022	Coimbatore	TNAU,

Faculty and Staff Development

					Coimbatore
348	Bhede	Annual Group Meeting of AICRP on Cotton	6-8 April.2022	Coimbatore	TNAU, Coimbatore
349	Daunde	Annual Group Meeting of AICRP on Cotton	6-8 April.2022	Coimbatore	TNAU, Coimbatore
350	A.K.Gore	Fifth Int. Agronomy Congress Post facto	23-27 Nov 2021	Hyderabad	PJTSAU Hyd
351	R.S.Jadhav	Soybean Germplasm Day	23 April.2022	Bangalore	UAS Bangalore
352	V.R.Ghuge	Soybean Germplasm Day	23 April.2022	Bangalore	UAS Bangalore
353	D.K. Patil	AGM on Kharif Pulses	10-11 May 2022	Palampur	CSK HPKV Palampure
354	P.H.Ghante	AGM on Kharif Pulses	10-11 May 2022	Palampur	CSK HPKV Palampure
355	P.L.Sontake	AGM on Kharif Pulses	10-11 May 2022	Palampur	CSK HPKV Palampure
356	V.K.Gite	AGM on Kharif Pulses	10-11 May 2022	Palampur	CSK HPKV Palampure
357	G.R.Munde	Annual Meeting Arid Zone Fruits	28-30 April.2022	Ayodhya	ANDVAT Kumar Gunj Ayodhya
358	K.S.Gadhe	AGM on Kharif Pulses Mullarp and Arid legumes	10-11 May 2022	Himachal Pradesh	CSK HPKV Palampure
359	V.S.Pawar	AGM on Kharif Pulses Mullarp and Arid legumes	10-11 May 2022	Himachal Pradesh	CSK HPKV Palampure
360	P.U.Ghatge	AGM on Kharif Pulses Mullarp and Arid legumes	10-11 May 2022	Himachal Pradesh	CSK Himachal P Krish Vidya.Pa
361	K.S. Gadhe	QRT Mullarp/Arid legumes	16-17 May2022	Jabalpur	JNKV Jabalpur
362	K.K.Dakhore	Training / workshop on agro-meteorology as resource person	30 may 1 June	Pune	IMD,Pune
363	K.K.Dakhore	Annual Review workshop of NICRA	2-4 June 2022	Hyderabad	CRIDA Hyderabad
364	W.N.Narkhede	XXVN Biennial Workshop of AICRPDA and IX	2-4 June 2022	Hyderabad	CRIDA

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		ARW of AICRPDA NICRA			Hyderabad
365	R.S.Raut	XXVN Biennial Workshop of AICRPDA and IX ARW of AICRPDA NICRA	2-4 June 2022	Hyderabad	CRIDA Hyderabad
366	M.S.Pendke	XXVN Biennial Workshop of AICRPDA and IX ARW of AICRPDA NICRA	2-4 June 2022	Hyderabad	CRIDA Hyderabad
367	P.H.Gourkhede	XXVN Biennial Workshop of AICRPDA and IX ARW of AICRPDA NICRA	2-4 June 2022	Hyderabad	CRIDA Hyderabad
368	W.N.Narkhede	Brain Storming Session m Water Policy for rainfed agriculture	2-4 June 2022	Hyderabad	CRIDA Hyderabad
369	R.S. Raut	Brain Storming Session m Water Policy for rainfed agriculture	2-4 June 2022	Hyderabad	CRIDA Hyderabad
370	M.S.Pendke	Brain Storming Session m Water Policy for rainfed agriculture	2-4 June 2022	Hyderabad	CRIDA Hyderabad
371	P.H. Gourkhede	Brain Storming Session m Water Policy for rainfed agriculture	2-4 June 2022	Hyderabad	CRIDA Hyderabad
372	M.W.Rathod	Brain Storming Session m Water Policy for rainfed agriculture	2-4 June 2022	Hyderabad	CRIDA Hyderabad
373	M.K. Ghodke	Annual Group Meeting on Sunflower, Niger and castor	25-27 May 2022	Hyderabad	IIOR Hyderabad
374	Pritam Bhutada	I st International Conference GIRISDA 2022	6-8 June 2022	Bathinda	Just Agril Bathinda
375	R.S.Jadhav	52 th Annual Group Meeting of AICRP on Soybean	17-18 May 2022	Indore	IISR Indore
376	S.P.Mehre	52 th Annual Group Meeting of AICRP on Soybean	17-18 May 2022	Indore	IISR Indore
377	T.N.Khan	Annual Group Meeting workshop on Woman in Agriculture	12-13 May 2022	Bhubaneshwar	CIWA Bhubaneshwar
378	J.R.Rodge	Annual Group Meeting workshop on Woman in Agriculture	12-13 May 2022	Bhubaneshwar	CIWA Bhubaneshwar
379	S.G.Puri	Annual Group Meeting workshop on Woman in Agriculture	12-13 May 2022	Bhubaneshwar	CIWA Bhubaneshwar
380	D.D.Patait	National Symposium on Paradigm shift in cotton	8-10 Aug. 2022	Udaipur	MPVAT Udaipur

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		cultivation			
381	M.B.Patil	National Conference on Vegetable and Mango	17-19 July 2022	Bihar	COE,Mango Vaishahi Bihar
382	K.S.Baig	National Symposium on Cotton	8-10 Aug 2022	Udaipur	MPUAT, Udaipur
383	V.N.Chinchane	National Symposium on Cotton	8-10 Aug 2022	Udaipur	MPUAT, Udaipur
384	A.R.Gaikwad	National Symposium on Cotton	8-10 Aug 2022	Udaipur	MPUAT, Udaipur
385	A.D.Pandagale	National Symposium on Cotton	8-10 Aug 2022	Udaipur	MPUAT, Udaipur
386	B.V. Bhede	National Symposium on Cotton	8-10 Aug 2022	Udaipur	MPUAT, Udaipur
387	P.K.Dhoke	National Symposium on Cotton	8-10 Aug 2022	Udaipur	MPUAT, Udaipur
388	V.R. Tatikundalwar	National Symposium on Cotton	8-10 Aug 2022	Udaipur	MPUAT, Udaipur
389	D.K.Patil	Annual Group Meeting on Rabi pulses of AICRP on Chickpea & Mullarp	17-18 Aug 2022	Raipur	I4KV Raipur
390	P.L. Sontake	Annual Group Meeting on Rabi pulses of AICRP on Chickpea & Mullarp	17-18 Aug 2022	Raipur	I4KV Raipur
391	S.M.Umate	61 th all India wheat & Barley Res. Workers meet	29-31 Aug 2022	Gwalior	RVSKVK Gwalior
392	S.B.Ghuge	AGM on Safflower & Linseed	1-2 sept.2022	Nagpur	COA Nagpur
393	C.V.Ambadkar	AGM on Safflower & Linseed	1-2 sept.2022	Nagpur	COA Nagpur
394	S.A.Shinde	AGM on Safflower & Linseed	1-2 sept.2022	Nagpur	COA Nagpur
395	V.N.Toprope	QRT Meeting of Sunflower	24-25 Aug 2022	Coimbatore	TNAU, Coimbatore
396	A.K.Ghotmukle	QRT Meeting of Sunflower	24-25 Aug 2022	Coimbatore	TNAU, Coimbatore
397	K.D.Dahiphale	QRT Meeting of Sunflower	24-25 Aug 2022	Coimbatore	TNAU, Coimbatore
398	S.V.Waghmare	QRT Meeting of Sunflower	24-25 Aug 2022	Coimbatore	TNAU, Coimbatore
399	R.S.Raut	National Seminar on Harnessing the potential of <i>panchabutis</i> for sustainable climate resilient	28-29 Sept. 2022	Hyderabad	ICAR CRIDA Hyderabad

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		rainfed agriculture			
400	P.H.Gourkhede	National Seminar on Harnessing the potential of <i>panchabut</i> s for sustainable climate resilient rainfed agriculture	28-29 Sept. 2022	Hyderabad	ICAR CRIDA Hyderabad
401	A.K.Gore	Organic food India conclave 2022	23 sept. 2022	Bangaluru	Int. Cap Center Bangalore
402	S.P.Kausalye	Biannual workshop of AICRP on Sugarcane	14-15 oct,2022	Dharwad	UAS Dharwad
403	A.D. Pandagale	CAFT Training on food security and soil health	2-22 Nov 2022	Pantnagar	GBP VAT Pantnagar
404	R.D.Baghele	Global Okra Round table GORT-2022	10-12 Oct 2022	New Delhi	IARI New Delhi
405	S.S.Durgade	ICAR Training programme on Diagnosis and Management of economically imp insects	9-23 Nov 2022	Online	Online
406	C.B.Latapate	National Seminar on Climate Smart Sericulture	6-7 Oct 2022	Bangaluru	NIFT Bangalore
407	D.N. Mohod	National Seminar on Climate Smart Sericulture	6-7 Oct 2022	Bangaluru	NIFT Bangalore
408	B.R. Gajbheye	86 th Annual Convention of Indian Society of soil Science	15-18 Nov 2022	Rahuri	MPKV Rahuri
409	P.H. Gorkhede	86 th Annual Convention of Indian Society of soil Science	15-18 Nov 2022	Rahuri	MPKV Rahuri
410	A.S.Gunjkar	International Conference on Reimaging Agro-eco system Challenge	22-24 Dec 2022	Hyderabad	CRIDA Hyderabad
411	S.A. Shinde	International Conference on Reimaging Agroeco system Challenge	22-24 Dec 2022	Hyderabad	CRIDA Hyderabad
412	Dr. S.G.Patil	Training on Advances in Management of physiological disorders of horticultural crops with special reference to Natural farming system	20 Feb,01 Mar. 2022	Srinagar	Srinagar
413	R.N.Khandare	Annual Convention of soil science society, Maharashtra	15 Nov 2022	Rahuri	MPKV Rahuri
414	M.B. Patil	Expansion of Horticulture Value in India Potential & opportunities	1-2 Nov 2022	Pune	VAMNICOM Pune
415	A.C. Deole	Expansion of Horticulture Value in India	1-2 Nov 2022	Pune	VAMNICOM

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		Potential & opportunities			Pune
416	S.A. Adkine	Expansion of Horticulture Value in India Potential & opportunities	1-2 Nov 2022	Pune	VAMNICOM Pune
417	Dr. Doke Pavan	Training on Biometrics and Breeding Scheme optimization	31 Oct 2 Nov 2022	Hyderabad	ICRISAT Hyderabad
418	M.G.Jadhav	Biannual workshop –Agro meteorology	12-14 Nov 2022	Bangalore	UAS Bangalore
419	R.N.Khandare	Workshop of LTFE	16-27 Dec 2022	Akola	PDKV Akola
420	M.G.Jadhav	Biannual workshop of Agro meteorology	12-21 Nov 2022	Bangalore	UAS Bangalore
421	C.V. Ambadkar	Short Course Training Application of Molecular & Conventional approach	5-14 Feb 2022	Palampur	CSKHPRV Palampur
422	S.S.Durgude	Training on IPM	9-30 Jan 2022	New Delhi	NCIPA New Delhi
423	A.K.Gore	Int. Conf on Reimaging rainfed agroeco system	22-24 Dec 2022	Hyderabad	CRIDA Hyderabad
424	S.N.Jawale	Adv. Training in plant Breeding	19-21 Jan 2023	Pune	YASHDA Pune
425	M.V.Dhuppe	Biannual Workshop of IFS	17-21 Jan 2023	Bangalore	UAS Bangalore
426	A.S.Karle	Biannual Workshop of IFS	17-21 Jan 2023	Bangalore	UAS Bangalore
427	A.D. Pandagale	Biannual Workshop of IFS	18-21 Jan 2023	Bangalore	UAS Bangalore
428	S.T. Shirale	Biannual Workshop of IFS	18-21 Jan 2023	Bangalore	UAS Bangalore
429	S.P. Chennalwad	Biannual Workshop of IFS	18-21 Jan 2023	Bangalore	UAS Bangalore
430	S.B. Ghuge	International Conference on Vegetable oils	17-21 Jan 2023	Hyderabad	Hyderabad
431	S.A.Shinde	International Conference on Vegetable oils	17-21 Jan 2023	Hyderabad	Hyderabad
432	C.V.Ambadkar	International Conference on Vegetable oils	17-21 Jan 2023	Hyderabad	Hyderabad
433	V.R.Ghughe	International Conference on Vegetable oils	17-21 Jan 2023	Hyderabad	Hyderabad
434	V.K.Gite	Virtual Training Programme on Management and Utilization of Plant Genetics	1-21 Feb 2023	New Delhi	New Delhi
435	M.V.Dhuppe	International Conference on Vegetable oils	17-21 Jan 2023	Hyderabad	Hyderabad
436	G.K.Gaikwad	International Conference on Emerging Trends in Plant and Environmental Science	2-4 Feb 2023	Hyderabad	IIOR Hyderabad
437	Dr. A.K. Gore	Maha-agri Vision 2022	8-9 Dec 2022	Pune	Pune
438	R.D.Baghele	International Conference on Vegetable	20-22 Dec 2022	Varanasi	COA Pune

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439	V.S.Khandare	International Conference on Vegetable	20-22 Dec 2022	Varanasi	Varanasi
440	A.K.Ghotmukle	Int. Conf. on Reimaging Rainfed Agro Ecosystem Challenges	22-24 Dec 2022	Hyderabad	Varanasi
441	P.H.Ghorkhede	National Conference on <i>Pritvi tatva</i>	8-9 Jan 2023	Varanasi	BHV Varanasi
442	M.S.Pendke	National Conference on <i>Pritvi tatva</i>	8-9 Jan 2023	Varanasi	BHV Varanasi
443	S.P.Mehre	International Conference on Vegetable oils	17-21 Jan 2023	Hyderabad	IIOR Hyderabad
444	R.S.Jadhav	International Conference on Vegetable oils	17-21 Jan 2023	Hyderabad	IIOR Hyderabad
445	A.S.Gunjkar	Int. Conf. on Reimaging Agro ecosystem	22-24 Dec 2022	Hyderabad	IIOR Hyderabad
446	A.H.Rathod	International Conference on Vegetable oils	17-21 Jan 2023	Hyderabad	IIOR Hyderabad
447	K.D.Dahiphale	International Conference on Vegetable oils	17-21 Jan 2023	Hyderabad	IIOR Hyderabad
448	M.G.Patil	International Conference on Vegetable oils	17-21 Jan 2023	Hyderabad	IIOR Hyderabad
449	M.K.Ghodke	International Conference on Vegetable oils	17-21 Jan 2023	Hyderabad	IIOR Hyderabad
450	A.M.Misal	International Conference on Vegetable oils	17-21 Jan 2023	Hyderabad	IIOR Hyderabad
451	S.G.Patil	Magnet Project Training	30 Jan- 3 Feb 2023	Nagpur	IIM,Nagpur
452	V.K.Gitte	International Conference on Pulses	10-12 Feb 2023	New Delhi	NASC, New Delhi
453	P.A.Pagar	International Conference on Pulses	10-12 Feb 2023	New Delhi	NASC, New Delhi
454	D.K.Patil	International Conference on Pulses	10-12 Feb 2023	New Delhi	NASC, New Delhi
455	P.L.Sontakke	International Conference on Pulses	10-12 Feb 2023	New Delhi	NASC, New Delhi
456	H.H.Bhadarge	Int. Confe. Dev. & Promotions of Millets	24-26 Feb 2023	Jodhpur	AU, Jodhpur
457	S.B.Pawar	Int. Confe. Dev. & Promotions of Millets	24-26 Feb 2023	Jodhpur	AU, Jodhpur
458	C.B.Patil	Int. Confe. Dev. & Promotions of Millets	24-26 Feb 2023	Jodhpur	AU, Jodhpur
459	S.S.Kamble	Int. Confe. Dev. & Promotions of Millets	24-26 Feb 2023	Jodhpur	AU, Jodhpur
460	A.B.Bagade	Int. Confe. Dev. & Promotions of Millets	24-26 Feb 2023	Jodhpur	AU, Jodhpur
461	A.K.Zote	Int. Confe. Dev. & Promotions of Millets	24-26 Feb 2023	Jodhpur	AU, Jodhpur
462	A.K. Ghotmukale	International Conference on Vegetable oils	17-21 Jan 2023	Hyderabad	IIOR, Hyderabad
463	S.B.Sarode	International Conference on Pulses	10-12 Feb 2023	Kanpur	IIPR, Kanpur
464	K.S.Kadam	International Conference on Pulses	10-12 Feb 2023	Kanpur	IIPR, Kanpur
465	D.S.Mutkule	International Conference on Pulses	10-12 Feb 2023	Kanpur	IIPR, Kanpur
466	W.N.Narkhede	International Conference on Dryland	10-12 Feb 2023	Hyderabad	ICRISAT, Hyderabad

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467	M.S.Pendke	International Conference on Dryland	21-23 Feb 2023	Hyderabad	ICRISAT, Hyd
468	S.V.Waghmare	International Conference on Vegetable oils	17-21 Jan 2023	Hyderabad	IIOR, Hyderabad
469	V.S. Khandare	3 rd National Symposium on Emerging techniques & trends in Onion & garlic	11-14 Feb 2023	Jalgaon	Jalgaon
470	K.K.Dakhore	Stakeholder engagement workshop	30 Jan 2023	Pune	IITM, Pune
471	K.K.Dakhore	National Conference on Advances in Agro meteorological Intervention	15-17 Feb 2023	Coimbatore	TNAU, Coimbatore
472	A.S.Jadhav	National Conference on Advances in Agro meteorological Intervention	15-17 Feb 2023	Coimbatore	TNAU, Coimbatore
473	C.V.Ambadkar	Short Course Training on Application of Molecular & Conventional approaches in plant disease management	5-14 Feb 2023	Palampur	COA, Palampur
474	D.G.Higole	International Conference on development and promotion of Millets	24-26 Mar. 2023	Jodhpur	Agril. Univ. Jodhpur
475	N.R.Patange	International Conference on development and promotion of Millets	24-26 Mar. 2023	Jodhpur	Agril. Univ. Jodhpur
476	S.R.Barkule	Approaches for Double farmer income	24-26 Mar. 2023	Jodhpur	Agril. Univ. Jodhpur
477	A.B. Bhagale	International Conference on Millet	18 March 2023	New Delhi	IARI, New Delhi
478	S.B. Pawar	International Conference on Millet	18 March 2023	New Delhi	IARI, New Delhi
479	L.N. Jawale	International Conference on Millet	18 March 2023	New Delhi	IARI, New Delhi
480	Mod.Iliyas	International Conference on Millet	18 March 2023	New Delhi	IARI, New Delhi
481	P.O. Bhutada	International Conference on Millet	18 March 2023	New Delhi	IARI, New Delhi
482	K.D. Navgire	International Conference on Millet	18 March 2023	New Delhi	IARI, New Delhi

6.6.5.3 Incentives for Excellence/Faculty Recognition

The University recognized the faculties by offering Best Teacher Award. This award is initiated from the academic year 2011-12. The award is given to five faculty members. The composition of faculty awards is as follows.

S. No.	Faculty	No. of awards
1.	Agriculture/ Agril. Biotechnology / Agril. Business Management	2
2.	Food Technology	1
3.	Agricultural Engineering and Technology	1
4.	Community Science (Home Science)	1
	Total	5

The best teacher award is annual. It contain a certificate with a cash price of Rs. 10,000/-. The award is confirmed at the time of convocation. All the teachers / scientists / extension specialist working under the University are eligible for this award. Identification of best teacher award is done systematically by inviting the applications from Directorate of Instruction office annually. The received applications will be thoroughly scrutinized by appointing a committee chaired by Head of the Department. The applications were ranked on a scale of 0 to 100. A report of scrutiny committee is placed in front of High Power Committee headed by Director of Instruction and Dean and award is finalized.

The composition of High Power Committee is as under :

S.No.	Designation	Position
1.	The Director of Instruction and Dean	Chairman
2.	Director of Research	Member
3.	Director of Extension Education	Member
4.	All Associate Dean and Prinicipal of Constituent colleges	Members
5.	Two experts from outside the jurisdiction of University	Members
6.	Dy. Registrar (Academic)	Member Secretary

In view of covid 19 situation, the Best Teacher award was not conferred during the academic year 2018-2023.

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The teachers / scientists / extension specialists working under the University were duly recognized for their significant achievement in the field of teaching, research, extension by various institutions (e.g. Vasantrao Naik Purskar, Malhotra, Best Scientist, Teacher, NSS, NCC, Programme Officer, Paper Presentation, Thesis Award etc). The details are given below.

Sr. No.	Name of Faculty	Items of Recognition	2018 - 2023	Awarding Organization
1.	Dr.Deshmukh, J.M.	Best Women Scientist and Best oral presentation	2018	National seminar on recent trends in plant sciences and agriculture research PSAR 2018 organised by ZARC, Solapur
2.	Dr. Deshmukh, J.M.	AGROCARE IDOL AWARD	2018	Krushimanch, Nashik
3.	Dr.Magar,S.J.	Women scientist award for Marathwada region	2018	R.K. Foundation, Sangamner
4.	Dr.Magar,S.J.	Best Oral Presentation	2018	IPSWZ, Plant Pathology Section, College of Agriculture, Nagpur
5.	Dr.Magar,S.J.	Best Poster Presentation	2018	IPSWZ, Plant Pathology Section, College of Agriculture, Nagpur
6.	Pawar,S.N.	Best Trainee Certificate for Innovative Application of Renewable Energy Technologies for Rural Sector	2018	College of Agril. Engineering, PDKV, Akola
7.	Pawar,S.N.	Certificate of Appreciation for contribution to Accreditation of CAET, VNMKV.	2018	College of Agril. Engineering, VNMKV, Parbhani
8.	Dr.Kalalbandi,B.M.	Endeavour Fellowship	2018	Govt. of Australia
9.	Khodke, S.U.	Laxmikant Kokil Sinchan Lekhan Puraskar,	2018	Maharashtra Sinchan Sahyog, Aurangabad
10.	Dr. Kulkarni,M.V.	Best participant Award	2018	Post Graduate Research Centre PJTSAU, Rajendranagar Hyderabad
11.	Patgaonkar,Dipti	State level Best Innovative & Extension Workers award	2018	Agrocare Krishi Manch, Nashik

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12.	Patgaonkar,Dipti	State level Krishi Gauarv Award	2018	Agroworld, Jalgaon
13.	Dr.Gholve,V.M.	Best Poster Presentation award	2018	National Symposium organized by Indian Phytopathological Society, Goa
14.	Dr.Patil,M.G.	Best Poster Presentation award	2018	National Symposium organized by Indian Phytopathological Society, Goa
15.	Dr. Hinge, V.R.	Best Oral Paper Award	2018	Department of Biotechnology, COCSIT, Latur
16.	Dr. Dhawale,R. N.	Best Research Paper Award	2018	National Conference organized by S.S.S.M.G.M., Phulambri and Dr. B.A.M.U., Aurangabad, MS.
17.	Dr. Dhawale,R. N.	Excellence in Teaching Award	2018	Genesis Urban and Rural Development Society, Hyderabad, ICAAASTSD-2018
18.	Dr.B.V.,Asewar	ICAR Award Vasantao Naik National award for application of research in agriculture.	2018	ICAR
19.	Dr.M.P.,Jagtap	ICAR Award Vasantao Naik National award for application of research in agriculture.	2018	ICAR
20.	Patil D.K., Gite, V. K.	Radhakishan Shanti Malhotra Award	2018	VNMKV, Parbhani
21.	Pendke M.S.,	Best Poster Presentation Award during Vasantao Naik Memorial National Seminar on Potential, Prospects & Strategies for Doubling Farmers Income	2018	Dr. PDKV, Akola
22.	Vaidya,P.H.	Distinguish Scientist Award	2018	International conference on Food and Agriculture (ICFA-2018) at Jharkhand
23.	Vaidya,P.H.	Best Oral Presentation Award	2018	International conference on Food and Agriculture (ICFA-2018) at Jharkhand
24.	Dr. Jadhav,A.S.	Agrocare Idol Award 2018	2018	Agrocare Krishimanch, Nasik
25.	Prof. Patil ,H.B. Dr. Dethe ,A.M. Dr. Chavhan,R.L.	Incentive Award	2018	Annual Coordinators Meet held at Tamilnadu

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26.	Hinge, ,V.R. Shaikh ,I.M. Chavhan,R.L.	Best Oral Paper Award	2018	National Conference organized by the Department of Biotechnology, COCSIT, Latur
27.	Patil ,P. Dethe,A.M.	Best Poster Paper Award	2018	International seminar on Recent Advances in Food, herbal and Nano Technology held at COCSIT, Latur
28.	Gaurkhede, P.H.	State Level Agro care Idol Award	2018	Agro care Krishimanch, Nashik.
29.	Umrikar,Medha	Best Poster Award	2018	Gokhale Education Society, SMRK, Ek Mahila Mahavidyalay, Nasik.
30.	Dr. Bangale,Jaya	Appreciation Letter in preparation of Self Study Report and fruitful visit of Peer Review Team 2018	2018	College of Community Science, VNMKV, Parbhani
31.	Dr. Bhalerao,Veena	Appreciation Letter in preparation of Self Study Report and fruitful visit of Peer Review Team 2018	2018	College of Community Science, VNMKV, Parbhani
32.	Dr. Rodge, Jayshree	Maharashtra Gaurav Purskar	2018	Ekta Sewabhavi Sanstha, Maharashtra
33.	Dr.Deshmukh,J.M.	Women Scientist Award	2019	VDGOOD Association, Chennai
34.	Dr.Mulekar,V.G.	Best Poster Presentation Award	2019	IPS WZ and Association of Plant Pathologist Akola
35.	Dr.Shelke,R.D.	Best Poster presentation award in National Conference on Agricultural Economics	2019	Smt.Venutai Ulemale Best poster presentation Award, at VNMKV, Parbhani
36.	Dr. R.V. Jaybhaye	Certificate of Appreciation for commendable work in accreditation	2019	COA, Latur; VNMKV, Parbhani
37.	Pawar,S.N.	Best Programme Officer , State Level Award, for National Service Scheme	2019	Govt of Maharashtra
38.	Prof.Lomte,D.M.	Agroworld Jiwan Gaurav Award	2019	Agrowon
39.	Dr.Lohakare,A.S.	Ph.D in Fruit Science	2019	VNMKV, Parbahni
40.	Khodke, S.U.	Best paper Award	2019	1 st International Conference on Entrepreneurship in Agriculture and Renewable Energy Sector - Dr. PDKV, Akola

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41.	Khodke, S.U.	Best paper Award	2019	1 st International Conference on Entrepreneurship in Agriculture and Renewable Energy Sector - Dr. PDKV, Akola
42.	Ramteke,R.T.	Best Paper Award	2019	1 st International Conference on Entrepreneurship in Agriculture and Renewable Energy Sector - Dr. PDKV, Akola
43.	Solanki,S. N.	Best Paper Award	2019	1 st International Conference on Entrepreneurship in Agriculture and Renewable Energy Sector - Dr. PDKV, Akola
44.	Jaybhaye R.V	Best Poster Award	2019	1 st International Conference on Entrepreneurship in Agriculture and Renewable Energy Sector - Dr. PDKV, Akola
45.	Dr. Deshmukh, K V	Best paper presentation award	2019	22 nd National Conference of MSAE
46.	Dr. Chavan, R.V.	Best paper presentation award	2019	22 nd National Conference of MSAE
47.	Dr. Kausadikar, H.H.	Best paper presentation award	2019	22 nd National Conference of MSAE
48.	Dr. Perke,D.S.	Matoshri ParvatibaiMahindre memorial Award (Silver medal) Presidents Appreciation Award for Best organiser of 22 nd National Conference of MSAE	2019	22 nd National Conference of MSAE
49.	Dr. Waghmare,M.S.	Young Scientist Award	2019	Association of Plant Science Researchers, PLANTICA Foundation, Dehradun
50.	Dr. Waghmare,M.S.	Award of Appreciation	2019	Dr. BATU. Lonere Raigad
51.	Dr. Patil,R.A.	Young Scientist	2019	Association of Plant Science Researchers, PLANTICA Foundation, Dehradun
52.	Patgaonkar,Dipti	Sankal Shikshanratan Purskar	2019	Sankalsevabhavipratishatan , Aurangabad
53.	Patgaonkar,Dipti	National Level Excellent in Extension Award	2019	By GRISSA-2019 at ICAR, NARM, Hyderabad from Astha FoundationAstha Meerut

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54.	Dr. Dhawale,R. N.	Best Agriculture Scientist/Worker State Level Award	2019	Fourth Anniversary Day of Weekly Krushi Sewak, Rawer, Dist-Jalgaon (MS)
55.	Dr. Dhawale,R. N.	Best Teacher State Level Award	2019	CFTUI affiliated Dr. B. R. Ambedkar Scheduled and Minority Teacher-Professor Employee Organization, Maharashtra State.
56.	Dr.Perke,D.S.	Matoshri Parvatibai Mahindre Memorial Best Organizer Award (silver medal)	2019	22 nd MSAE, National Conference, VNMKV, Parbhani.21-22 December 2019.
57.	Dr.More,S.S.	Economic Impact of Improved Production Technology interned under tribal sub-plan in Hingoli district of Maharashtra	2019	21 st MSAE, National Conference, VNMKV, Parbhani. December 2018.
58.	Dr.More,S.S.	Ex-post Economic Impact of Improved Pigeon Pea Production Technologies developed by VNMKV, Parbhani	2019	23 rd MSAE, National Conference, VNMKV, Parbhani.21-22 December 2021.
59.	Dr.Chavan,R.V.	Best Paper Presentation Award	2019	MSAE, National Conference, VNMKV, Parbhani.21-22 December 2019.
60.	Dr. Khodke, Smita Gajabe , Madhuri, Solunke S. B	Best paper award	2019	First International Conference on Entrepreneurship in Agriculture and Renewable energy sector at PDKV, Akola during
61.	Khan T.N. Nerlekar Jyotsna Bhojar Archana	Best Poster Award	2019	51st Annual National Conference of Nutrition Society of India held at Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram
62.	Asewar, B.B. Pendke, M.S. Choulwar,S.B. Gore,A.K. Gaikwad,G.K. Suryawanshi, M.W. Gourkhede ,P.H. Chary,G. Ravindra	ICAR-Vasantrao Naik Award 2018 for Research Applications in Agriculture	2019	ICAR, New Delhi

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63.	Dr. Gourkhede,P. H	Woman scientist award in	2019	International Conference on GRISAAS-2019 at Hyderabad
64.	Mr. Kale, S. D	Innovation Award-2019	2019	75 Annual Conference of AIFPA at Bengaluru
65.	Dr. Arya, Asha	Best Teacher, Research, Extension, Writing and National Service Award	2019	Womens Education and Empowerment Karmyogi Dr. Balasaheb Thombre Patil Memorial society
66.	Dr. Mehetre, S. P. Dr. Jadhav, R. S. Shri. Ghuge, V. R. Ku. Patange, M. J. and Rathod, A. H.	Late Lailashdada Suryavanshi Memorial Award for best paper	2019	22 nd National Conference on Maharashtra Society of Agril. Economics at Parbhani during December 21-22, 2019.
67.	Dr. Puri, S. G.	Paper Presentation Award	2019	National Seminar on Pluralistic Extension for Enhancing Farmers Income through Reaching the Unreached, jointly organized by MSEE, Akola and MPKV, Rahuri (Maharashtra) on Dec. 6-7, 2019 at MPKV, Rahuri.
68.	Dr. Bhutada,P. O.	Young woman scientist award in	2019	International Conference on GAAFES-2019 at Kumaun University, Nainital on 01
69.	Deshmukh,K. V. Chavan,R. V. Kausadikar,H. H.	Best paper presentation award	2019	22 nd National Conference of MSAE during 21-22 December, 2019 at VNMKV, Parbhani
70.	Dr. Perke,D. S.	Matoshri Parvatibai Mahindre memorial Award (Silver Medal)	2019	22 nd National conference of MSAE during 21-22 December, 2019 at VNMKV, Parbhani
71.	Dr. Kadam, Santosh	Best User Profile Registration Award -Central library	2019	Indian Council Of Agricultural Research, New Delhi- ICAR-CeRA
72.	Dr. Ghodke, M. K.	Radhakishan Shanti Malhotra Award	2019	VNMKV, Parbhani
73.	Dr. Dakhore, K.K.	Award of Excellence 2018 to Agrometeorological Field Unit	2019	ICAR, New Delhi
74.	Er. Suryawanshi, Sachin	Best Presentation Award to KVK, Tuljapur	2019	ICAR-ATARI, Pune

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75.	Dr. Khan ,T. N.	51 Annual National Conference of Nutrition Society of India (Best Poster Award)	2019	Rajiv Gandhi Center for Biotechnology, Thiruvananthapuram
76.	Dr. Puri, Shankar Ganpatrao	Best paper presentation award in National Seminar on Pluralistic Extension for Enhancing Farmers Income through Reaching the Unreached	2019	MSEE, Akola and MPKV, Rahuri (Maharashtra) at MPKV, Rahuri
77.	Dr. Magar, S. J.	Agrocare Idol Award	2020	Agrocare, Krushi Manch, Nashik
78.	Dr. Magar, S. J.	Best Poster Presentation II nd	2020	7 th International conference of Indian Phytopathology organized by Division of Plant Pathology ,IARI, New Delhi
79.	Dr. Adsul, P. B.	Best Citizen of India Gold Medal	2020	Global Economic Progress and Research Association, Tiruvannamalai. Tamil Nadu.
80.	NARP, Aurangabad	Best ICAR- AICRP on Pearl Millet Centre for 2019-20	2020	Project Director, AICRP on Pearl millet, Jodhpur, Rajasthan
81.	Solanki,S. N.	Corona Warrior Award- 2020	2020	Jivansadhna Foundation.
82.	Dr. More, Sachin S	Best Paper Presentation Award	2020	23 rd National Conference of Maharashtra Society of Agricultural Economics. MSAE
83.	Deshmukh B.A and Pawar V.S.	I st poster presentation award	2020	CIA, Bhopal
84.	Dr. Jinturkar,Anita	Mata Jijau State Level Women Appreciation Award	2020	Maratha Mahasangh Kolhapur
85.	Dr. Jinturkar,Anita	Best Extension Award	2020	Agro care Idol Award Nashik
86.	Dr. Ambadkar,C.V.	Institute of Scholars Research Excellence Award	2020	Dr. C.V.Ambadkar, Assistant Professor of Plant Pathology received, 2020
87.	Dr. Chavhan,R.L.	Best Poster Paper Award	2020	Dept. of Plant Pathology and Entomology, College of Agriculture, Navsari Agricultural University, Navsar
88.	Dr. Bhagat,Y.S.	Best Oral Paper Award	2020	Conference on Advances and Future Outlook in Biotechnology and Crop Improvement for

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				Sustainable Productivity by UHS Bagalkot and CoA Bengaluru
89.	Dr. Deosarkar, D.B.	Professional Excellence Award	2020	National Conference on Cotton which was held at OUAT, Bhubaneswar
90.	Dr. Apet, K. T. Dr. Ambadkar, C.V.	Radhakishan Shanti Malhotra Award	2020	VNMKV, Parbhani
91.	Dr. Zanwar, P R	Outstanding agricultural scientist award	2020	Dr. B. Vasantraj David Foundation, Chennai.
92.	Chavhan, R.L. Gubyad, M. Hinge, V.R. Deshmukh, A. S. Petnaekota, Y. Patil, H.B.	Best Poster Paper Award	2020	Dept. of Plant Pathology and Entomology, College of Agriculture, Navsari Agricultural University, Navsari
93.	Bhagat, Y.S. Ponninselvam, M. Chavhan, R.L. Dethe, A.M. Patil, H.B. Patil, D.K.	Second Best Oral Paper Award	2020	E-Conference on Advances and Future Outlook in Biotechnology and Crop Improvement for Sustainable Productivity
94.	Deshmukh, A. S. Gubyad, M. Hinge, V.R. Chavhan, R.L.	Second Best Oral Paper Award	2020	National Symposium on Plant Health Management, Organized by Dept. of Plant Pathology & Entomology, College of Agriculture, Navsari Agricultural University, Navsari
95.	Karande, P.T. Salunkhe, S.R. Dethe, A.M. Chavhan, R.L. Hinge, V.R.	Second Best Poster Paper Award	2020	National Symposium on Plant Health Management, Organized by Dept. of Plant Pathology and Entomology, College of Agriculture, Navsari Agricultural University, Navsari
96.	Deshmukh B.A. Pawar V.S	1 st poster presentation award	2020	CIA, Bhopal.

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97.	Dr. Rodge, Jayshree	Best paper presentation award	2020	International virtual conference on Role of Basic and applied Sciences in Human well being
98.	VNMKV- NARP, Aurangabad	Best ICAR- AICRP on Pearl Millet Centre for 2019-20	2020	Mandor, Jodhpur
99.	Dr. Bangale, Jaya	Certificate of Merit in Sport Meet 2020 for Mimicry	2020	2ed Maharashtra State Agricultural University Employees by VNMKV, Parbhani
100.	Dr. Bhalerao, Veena Dr. Kulkarni, Madhuri	Best Teacher Award	2020	College of Community Science, VNMKV, Parbhani
101.	Dr. Rodge, Jayshree	Best Paper (Oral) Presentation	2020	G. B. Pant University of Agricultural & technology, Pantnagar
102.	Dr. Karanjikar, P.N.	Best Teacher Award-2021	2021	Agricultural & Environmental Technology Development Society (AETDS) U.S. Nagar, Uttarakhand, India
103.	Dr. Karanjikar, P.N.	Received appreciation letter	2021	Hon. Vice Chancellor VNMKV, Parbhani for excellent work in Seed Production Programme
104.	Dr. Karanjikar, P.N.	Excellence in teaching award	2021	Genesis Urban and Rural development Society, Hyderabad, Telangana
105.	Dr. Deshmukh, J.M.	Best Oral presentation award	2021	National Symposium IPS-WZ, New Delhi, 17-18 th Nov. 2021
106.	Patange, M.J.	Young Agronomist Award-2021	2021	Agricultural & Environmental Technology Development Society (AETDS) U.S. Nagar, Uttarakhand, India
107.	Dr. Pole, S. P.	Best Oral Presentation Award	2021	University Institute of Agricultural Sciences, Chandigarh University, Gharuan, Mohali, Punjab.
108.	Dr. Magar, S.J.	Best Poster Presentation	2021	National Conference and IPS (WZ) 2021, College of Agriculture, Latur

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109.	Dr.Suradkar,D.D.	Best Oral presentation award	2021	National Symposium IPS-WZ,New Delhi, 17-18 th Nov.2021
110.	Dr. Suryavanshi, V. P.	Best poster presentation award-	2021	College of Agriculture, Latur, College of Agriculture, Parbhani, VNMKV, Parbhani and Indian Phytopathological Society, New Delhi
111.	NARP, Aurangabad	<i>Krishi Sanstha Samman</i>	2021	Mahindra Samridhhi India Agri Awards
112.	Dr.Lohakare,A.S.	Ph.D in Fruit Science	2021	VNMKV, Parbahni
113.	Dr.Bhagat,V.V.	Young Scientist Award	2021	Birsa Agril University, Kanke Ranchi, Jharkhand.
114.	Solanki,S. N.	INDIA PRIME Top 100 Women Icon award – 2021	2021	Fox Clues, Ludhiana
115.	Solanki,S. N.	Krishi Nari Samman - 2021	2021	Kasturi-TCSR(D Tata Chemical Society of Rural Development) and all about FPO (Krishi Vikas Initiative)
116.	Solanki,S. N.	Maharashtra Bhushan Va Jivan Gaurav pursor -2021	2021	Mahatma Kabir Samata Parishad (Maharashtra State)
117.	Solanki,S. N.	Star golden award – Best Research and extension – 2021	2021	Suman Arts Theatres.
118.	Solanki,S. N.	Agrocare Idol award for Best innovative and Extension work	2021	by Agrocare Krishimunch, Krushi Udyog Manthan.
119.	Solanki,S. N.	Womens Conclave and Awards for Best innovative and Extension	2021	Crazy Tales
120.	Solanki,S. N.	India Star Community Award – 2021 for lifetime achievement award in research (Animal Energy)	2021	MTTV India Digital Media
121.	Solanki,S. N.	Women Leadership Award -2021	2021	GlantorX Market Research and Ranking
122.	Awari, H. W.	Outstanding Ph. D. Thesis Award	2021	International Web conference on global Research for Sustainable Agriculture & Allied Sciences

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123.	Dr. Gadade,G.D.	Best poster Award	2021	Indian society of Agronomy
124.	Dr. Garud,H. S.	ISA, Best Thesis Award	2021	Indian Society of Agronomy, IARI
125.	Patgaonkar,Dipti	State level Best Agriculture Extension Scientist Award	2021	Agrocare Krishi Manch, Nashik
126.	Dr.Gholve,V.M.	Best poster presentation award	2021	<i>In vitro</i> efficacy of different bio-agents against <i>Colletotrichum orbiculare</i> (Berkely and Montagne) von Arx causing Anthracnose of cucumber (<i>Cucumis sativus</i> L.) in the IPS National Symposium (West zone) held on 25-26 Feb., 2021 at Department of Plant pathology, College of Agriculture Akola.
127.	Dr.Patil, M.G.	Best poster presentation award	2021	National Symposium on probing Beneficial Microorganism for next green revolution held on 25-26 th Fed, 2021. Jointly Organized by INDIAN PHYTOPATHOLOGICAL SOCIETY (WESTZON) and Association of Plant Pathologist, Akola.
128.	Dr. Apet, K.T.		2021	1. Dr. K.T. Apet, Head, Department of Plant Pathology received Freedom Fighter Late Sambhajirao Patil Foundation Award, January 2021 at Niwgh Dist. Nanded.
129.	Dr. Gholve,V.M.	Best poster presentation Award	2021	Indian Phytopathological Society (West Zone) National Symposium on Achieving Sustainability in Crop Production Through Alimentation and Plant Protection College of Agriculture, Latur.
130.	Dr. Apet, K.T. and Dr. Ambadkar,C.V.	Radhakishan Shanti Malhotra Award	2021	23 rd Convocation, 2021
131.	Dr.Rathod,S.T.	Best Oral Presentation	2021	Shri Vaishnav Institute of Agriculture, Shri Vaishnav Vidyapeeth Vishwavidyalay, Indore, on the Future of Food & Agriculture: Trends and Challenges

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132.	Dr. Gokhale,D. N.	Fellow of Indian Society of Agronomy	2021	Indian Society of Agronomy, New Delhi
133.	Dr. Asewar,B. V.	Fellow of Indian Society of Agronomy	2021	Indian Society of Agronomy, New Delhi
134.	Dr. Garud,Hanuman	Best Ph.D.Thesis Award	2021	Indian Society of Agronomy, New Delhi
135.	Dr. Kadam ,R. P.	Fellow of Scholars Academic and Scientific Society	2021	Scholars Academic and Scientific Society
136.	Dr. Lad,Anant	Best Oral Presentation Award	2021	College of Agriculture, Latur & Indian Phytopathological Society, New Delhi
137.	Dr. Jadhav R.S.,	Excellence in Research Award	2021	Society for Scientific Development in Agriculture and Technology MEERUT (U.P.)
138.	AICRP on Pearl millet, NARP Aurangabad	Best performing ICAR-AICRP on pearl millet center	2021	ICAR, New Delhi
139.	Khandare, R.N. Vaidya, P.H.	Best Oral Presentation Award	2021	Dept. of Plant Pathology Parbhani and Latur,
140.	Todmal, S.M., Kausadikar, H. K. Dhamak, A.L. Ismail,Syed	Best Poster Presentation Award 2021	2021	State Level Seminar on Soil Health and Climate Resilience: Need for Sustainable Agriculture 15-16 December 2021 at DBSKKV, Dapoli organized by Dapoli Chapter of ISSS.
141.	Gajbhiye, B.R.	Scientist of the year 2021 Award	2021	The Society of Tropical Agriculture, New Delhi, India held at Shimla (H.P.) India
142.	Dr. Kalyankar, S.V.	Best oral presentation award	2021	2 nd International Web-Conference on The Future of Food & Agriculture (TFFA), VAKSANA-2021
143.	Dr. More,Sachin S.	Certificate of Appreciation	2021	23rd National Conference of Maharashtra Society of Agricultural Economics.
144.	Chavhan, R.L. Yeswanth, P. Hinge, V.R. Deshmukh, A.S. Patil, H.B.	Best Oral Presentation Award	2021	National Symposium on Plant Health Management, Organized by ICAR-IARI, New Delhi.

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	Chakrabarty,P.K.			
145.	Chavhan R. L. Hinge V.R. Deshmukh A.S. Dethe A.M. Patil H.B.	Best Oral Presentation Award	2021	National Symposium of IPS west Zone on Achieving sustainability in crop production through alimentation and plant protection organized on 17 -18 November, 2021 by College of Agriculture, Latur.
146.	Deshmukh A.S., Chavhan R.L., Hinge V.R., Wankhade D. J. Patil H.B	Best Poster Presentation Award	2021	National Symposium of IPS west Zone on Achieving sustainability in crop production through alimentation and plant protection organized on 17-18 November, 2021
147.	Choudante S. S., Chavhan R.L., Deshmukh A.S., Hinge V.R., Dudhare M.S. Patil H.B.	Best Poster Presentation Award	2021	National Symposium of IPS west Zone on Achieving sustainability in crop production through alimentation and plant protection organized on 17-18 November, 2021 by College of Agriculture, Latur
148.	Dr. Khan T.N, Nerlekar Jyotsna	Best Oral presentation Award	2021	International Conference on Sustainable Approaches in Food Engineering and Technology (SAFETY -2021), organized by Tezpur University, Assam from 24th to 25th June 2021.
149.	Dr. Khan ,T. N. Nerlekar, J. P.	International Conference (Oral presentation) Dietary approach for management of over nutrition among obese women	2021	Tezpur University, Tezpur, Assam, India
150.	Dr. Bangale,Jaya	Appreciation Letter for being a Resource Person in Multidisciplinary International e- Conference	2021	Kalikadevi Arts, Commerce & Science College, Shirur (KA.), Dist. Beed.

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151.	Patange, M.J.	Best Teacher Award-2022	2022	Agricultural & Environmental Technology Development Society (AETDS) U.S. Nagar, Uttarakhand, India
152.	Dr. Chauhan, D. S.,	II Best Paper Presentation Award	2022	Dept of AGB, COVAS, Parbhani & SOCDAB, Karnal
153.	Dr. Chauhan, D. S.,	II Best oral Presentation Award	2022	Dept of AGB, COVAS, Parbhani & SOCDAB, Karnal
154.	Dr. Deshmukh, J. M.	Certificate of Excellence in Reviewing	2022	Asian Journal of Agriculture Extension, Economics and Sociology
155.	Dr. Deshmukh, J. M.	Best Oral Presentation Developing entrepreneurial qualities amongst the farmers through FPO	2022	International Extension Education Conference, Varanasi
156.	Dr.Wadikar,P.B.	Best Academician Award	2022	ICAR, New Delhi
157.	Dr.Bhamare,V.K.	Fellow of Society for Bio-Control Advancement	2022	Society for Bio-Control Advancement, ICAR-NBAIR, Bengaluru
158.	Dr.Bhamare,V.K.	Zonal Counsellor (Central & West Zone)	2022	Entomological Society of India, IARI, New Delhi
159.	Dr.Bhamare,V.K.	Latur Chapter of Entomological Society of India	2022	Entomological Society of India, IARI, New Delhi
160.	Dr.Bhamare,V.K.	Reviewer Excellent Award	2022	Legume Research Editors of ARCC Journals
161.	Dr.Thombre,B.M.	Lifetime Achievement Award	2022	ISAHRD, Chandigarh
162.	NARP, Aurangabad	Best ICAR- AICRP on Pearl Millet Centre for 2021-22	2022	Project Director, AICRP on Pearl millet, Jodhpur, Rajasthan
163.	Mr. Chougule Ankush	Poster presentation	2022	Sher-e-Kashmir University oo agril. Sci and Tech., Kashmir
164.	Dr. Dhutraaj,S.V.	Exllence in Research	2022	Birsa Agril University, Kanke Ranchi, Jharkhand

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165.	Dr.Bhagat,V.V.	Young Scientist Award	2022	Birsa Agril University, Kanke Ranchi, Jharkhand
166.	Dr.Bhagat,V.V.	Women Scientist Award	2022	Birsa Agril University, Kanke Ranchi, Jharkhand
167.	Dr.Bhagat,V.V.	Women Scientist Award	2022	VII th International conference in Hybrid mode on (GRISAAS-2022) Ranchi Jarkhand,
168.	Dr.Bhagat,V.V.	Best Scientist Award in Horticulture	2022	7 th International conference on (OCAEBGD-2022) October -29-31-2022, Goa.
169.	Dr.Jagtap,G.P.	Appreciation letter by Hon. Vice Chancellor VNMKV,Parbhani	2022	VNMKV,Parbhani
170.	Solanki,S. N.	World women icon 2022 - Best Researcher in Maharashtra State	2022	Global Trimph Foundation.
171.	Solanki,S. N.	IWM researcher Award -2022	2022	Nirgia Brand Promoters
172.	Solanki,S. N.	Indian Glory Award 2022 for Farm Mechanization & Research Extn.	2022	Kites Productions
173.	Solanki,S. N.	Bharat Bhushan Award- 2022 in Research & Extension in farm mechanization	2022	NAHF Registered by Govt. of India
174.	Solanki,S. N.	Nelson Mandela Global Brilliance award – 2022 for excellent work & outstanding performance & remarkable role in the field of agriculture	2022	International Humanity Mission Organization, under Ministry of Social Science and Empowerment, Govt. of India.
175.	Dr. Sable,A.V.	Best Teacher Award	2022	Bestow Edurex International, Mumbai.
176.	Dr. Londhe, G. K.	Best poster Presentation	2022	ICAR-CRIDA Hyderabad
177.	Dr. Andhare B.C.	International Research award	2022	VDGOOD Professional Association, India
178.	Dr. Zade,K.K.	Best Presentation Award	2022	ICAR-CRIDA Hyderabad Telgana
179.	Dr. Garud,H. S.	ISDA Best Ph.D. Thesis Award	2022	CRIDA, Hyderabad
180.	Patgaonkar,Dipti	Best Extension Scientist Award	2022	Society of Krishi Vigyan
181.	Dr. Gaikwad B.B.,	Best Innovative & Extension Involver Award 2022	2022	Agrocare Krushi Manch, Nashik
182.	Dr. Garud,H. S.	Krushni Ratna Award	2022	Agriculture Department of Maharashtra State

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				Government and Kisan Krishi Vikas Pratishthan Georai
183.	Dr. Apet, K.T.	Late Sambhajirao Pawar Niwgekar felicitation award	2022	For extraordinary efforts in bioagent production.
184.	Dr.Narkhede,W.N.	Agrocare Idol Award	2022	Nashik
185.	Dr.B.V.,Asewar	ISA Fellow 2021, ISDA Vice-presidents	2022	Hydrabad
186.	Dr.Pawar,S.U.	Agrocare Idol Award	2022	Nashik
187.	Dr.Rathod,S.T.	Certificate of appreciation	2022	Namangan Institute of Engineering and Technology, Uzbekistan
188.	Dr.Chavan,R.V.	Best Teacher Appreciation by Hon. Vice-Chancellor	2022	VNMKV, Parbhani
189.	Dr.Chavan,R.V.	Appreciation Certificate by Hon. Vice-Chancellor	2022	VNMKV, Parbhani
190.	Dr. Kadam R. P.	Reviewer Excellence Award	2022	Reviewer of Agriculture Science Digest by Agricultural Research Communication Center.
191.	AICRP for Dryland Agriculture Pbn.	Most Responsive Centre Award	2022	ICAR-CRIDA Hyderabad
192.	Gourkhede ,P.H.	Best Poster Presentation Award	2022	ICAR-CRIDA Hyderabad
193.	Pendke ,M.S.	Best Poster Presentation Award	2022	ICAR-CRIDA Hyderabad
194.	Gore,A.K.	Best Poster Presentation Award	2022	ICAR-CRIDA Hyderabad
195.	Dr. Garud,Hanuman	Best Ph.D. Thesis award 2017-18	2022	Indian Society of Dryland Agriculture, ICAR-CRIDA, Hyderabad
196.	Dr. Bangale, Jaya	Appreciation Letter for Outstanding Contribution on National Voters Day and Democracy Fortnight	2022	State Election Commission, Maharashtra
197.	Dr. Bangale, Jaya	Appreciation Letter for excellent performance in different capacities	2022	Honble Vice Chancellor, VNMKV. Parbhani
198.	Dr. Kalalbandi, B.M.	Appreciation letter in Avishkar 2023	2023	SPPU, Pune
199.	Solanki,S. N.	Best Scientist Award - 2023	2023	VNMKV Parbhani Maharashtra

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200.	Solanki,S. N.	Certificate of Mentor Avishkar 2023 for PG and PPG students,	2023	Savitribai Phule PUNE University in 15 th Maharashtra State Inter-University Research Convention.
201.	Solanki,S. N.	Rashtriya Pratishtha Purskar 2023	2023	Worthy Wellness Foundation
202.	Solanki,S. N.	Recognition	2023	Pani Foundation Pune
203.	Dr. Gaikwad B.B.,	Krushni Ratna Award	2023	Agriculture Department of Maharashtra State Government and Kisan Krishi Vikas Pratishthan Georai
204.	Dr. Gholve,V.M.	Best Poster Award	2023	Research Paper Eco-friendly management of dry root rot of Safflower in the IPS Platinum Jubilee Conference held at University of Mysore, Mysuru, Karnataka, India

6.6.5.4 Capacity Building and Training

Sr. No.	Title of training	Year (1 January 2018 to 31 March 2023)	Period of training	Organizing Agency (VNMKV, Parbhani)	Sponsoring Agency
1.	Technological advances made, priorities and future strategies in organic agriculture for sustainable farm production and doubling farmers income	2019	3 - 23 Dec., 2019	UAS, Raichur	UAS, Raichur, ICAR New Delhi
2.	Recent Trends in Academic Writing	2020	20 - 24 May 2020	University Library and Department of Extension Education	VNMKV,Parbhani
3.	National Level Faculty Development Programme : Sowing Seeds of Knowledge to Library & Informational Professionals	2020	18 to 22 June 2020	VNMKV & Navsari Agricultural University	VNMKV & Navsari Agricultural University

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4.	NAHEP-CAAST-DFSRDA, VNMKV, Parbhani organized International Workshop on Digital Farming Practices by Agri-Bots, Agri-Drones & Agri-AGVs	2020	13 - 15 March 2020	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
5.	Two-week e-Training organized by ER. D. V. Pail (Core Team member) on Basic Practices of Ansys 2020RI for Agricultural Researcher	2020	12 May, /2020 To 29 May, 2020	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
6.	One day e-Training is organized by Er. D. V. Patil (Core Team member) on, Aerial grasping Application for Agriculture Researchers- An Overview by UAV.	2020	23 May, 2020	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
7.	One Week <u>Online training</u> on Recent Trends in Academic Writing organized by Dr. Santosh Kadam VNMKV Parbhani.	2020	20 May, 2020 to 24 May, 2020	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
8.	One Week <u>Online training</u> organized by Dr. K.K Dakhore Core Team member on Recent Advances and Instrumentation in Agriculture Meteorology (CDKS Portfolio)	2020	26 May, 2020 To 02 June, 2020	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
9.	One day webinar organized by Dr. Shyam Garud Co-PI (FPA) on Enhancing research writing skills of students and scholars: Citations Management (FPA Portfolio)	2020	08 May, 2020	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
10.	One Week webinar on Role of Technologies and Automation in Food Processing and Preservation (FPA Portfolio) organized by Dr. Shyam Garud Co-PI (FPA),	2020	14 May, 2020 to 19 May, 2020	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
11.	One-week International Online training program is organized by Dr. Bharose Achyut on Biotechnology: Its Application in Modern Agriculture	2020	04 June, 2020 To 08 June, 2020	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
12.	One day <u>Krushis Parisavad</u> organized by Dr. Kapse sir on Soybean Lagwad Technology Parisanva d with Agriculture Minister	2020	02 June, 2020	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani

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13.	One-week <u>Online Training</u> Programme organized by Dr. Vaidya P. H. on Application of Remote Sensing & GIS In Digital Agriculture.	2020	04 June, 2020 to 08 June, 2020	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
14.	One-week <u>Online Training</u> Programme on COVID 19 Pandemic: Impact and Strategies in Agriculture Education was organized by Dr. Veena Bhalerao Core Team member.	2020	09 June, 2020 to 13 June, 2020	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
15.	Dr. B.V. Asewar HOD Agronomy organized one-week <u>Online training</u> program on Climate resilient technology for Rainfed Agriculture.	2020	11 June, 2020 - 15 June, 2020	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
16.	Er. D. V. Patil Core Team member organized one-week International <u>Online training</u> on Present & Futuristic trends in Agriculture mechanization.	2020	18 June, 2020 to 23 June, 2020	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
17.	One day <u>Online-training</u> program on Power of Digital manufacturing for new product development- 3D printing organized by Dr. Vishal Ingale.	2020	25 June, 2020	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
18.	Dr. G. S. Pawar Core Team member organized one-week International <u>Online training</u> on Recent Physio – Molecular Digital tools in Abiotic Stress Management for crop modelling.	2020	29 June, 2020 To 03 July, 2020	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
19.	Dr. Veena Bhalerao (Core Team member) organized webinar Series of one week on Digital Agriculture Technologies for self-Reliance of farm woman	2020	6 July, 2020 To 10 July, 2020	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
20.	As a part of MoU joint activity done with IIT Kharagpur. Organized a two week <u>Online short-term course</u> on Application of Digital	2020	13 July, 2020 to 24 July, 2020	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani

Faculty and Staff Development

	Technologies in Agriculture				
21.	State level Weekly Webinar Series organized by Dr. Megha Jagtap & Dr. Dhiraj Kumar Kadam on a Sudhrudh paryavarnasathi peek sanrakshak krushi rasayanacha santulit vapar.	2020	25 July, 2020 to 03/10/2020	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
22.	State level one week webinar series organized by Dr. Rajesh Kshirsagar (core Team Member) on Digital tantradnyanadawre krushi prakriya udyog : udyojakanchya	2020	27 July, 2020 to 31 July, 2020	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
23.	One day webinar on Makyavaril Lashkari ali jagrukta va prashikshan karyakramache ayोजan	2020	05 Aug, 2020	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
24.	Inuguration of Joint activity of IIT Bombay with NAHEP CAAST, VNMKV in which Three weeks Online short term course to NHEP CAAST student and faculties on Application Of Digital Technologies Of Smart Agriculture	2020	10 Aug, 2020 to 28 Aug, 2020	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
25.	Inauguration of International Seminar (Online) on Digital Technologies for smart agricultural: Futuristic plan	2020	10 Aug, 2020 to 13Aug, 2020	Parbhani chapter of ISA &ISGPB Parbhani chapter VNMKV Parbhani	NAEHP, VNMKV, Parbhani
26.	3D printing demonstration and webinar at NAHEP centre.	2020	15 Aug, 2020	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
27.	National Agriculture Higher Education Project Centre of Excellence for Digital Farming Solutions for Enhancing Productivity by Robots, Drones and AGVs (DFSRDA) & College of Community Science State Level One Day Webinar on Advanced Career Opportunities for Entrepreneurship Development in Community Science	2020	26 Nov, 2020	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
28.	National Agriculture Higher Education Project Centre of Excellence for Digital Farming	2020	23/12/2020 TO	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani

Faculty and Staff Development

	Solutions for Enhancing Productivity by Robots, Drones and AGVs (DFSRDA) VNMKV, Parbhani (M.S) E poster Presentation Competition under CDKS Portfolio on Climate Smart Agriculture		31/12/2020		
29.	Centre of Excellence for Digital Farming Solutions for Enhancing Productivity by Robots, Drones and AGVs NAHEP-CAAST-DFSRDA Organizing A Online Quiz Competition 2020 on Food Processing Automation	2020	23/12/2020	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
30.	Centre of Excellence for Digital Farming Solutions for Enhancing Productivity by Robots, Drones and AGVs (DFSRDA) National Essay Competition On Adoption of Digital Technologies by Indian Farmers During and After COVID-19 Pandemic On the occasion of National Farmers Day	2020	23/12/2020	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
31.	NAHEP-CAAST-VNMKV-DFSRDA Centre, Parbhani organized Online Two-Week Online Training Programme on Advanced Hydraulic and Pneumatic Technologies for Agriculture	2021	24 May, 2021 To 04 June, 2021	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
32.	One-Week Hands on Training on Application of Remote Sensing & GIS In Digital Agriculture jointly organized by NAHEP VNMKV and IIT Bombay	2021	04 June, 2021 To 08 June, 2021	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
33.	Three Days Online Short-Term Training to NAHEP-CAAST-VNMKV Students on Personality Development and Life Skills was organized by CAAST-DFSRDA, VNMKV Centre.	2021	03 June, 2021 To 05 June, 2021	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
34.	NAHEP-CAAST VNMKV, Parbhani Organizing National level Online hands on four-week Training on Applications of	2021	07 June, 2021 To 03 June, 2021	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani

Faculty and Staff Development

	Computer Aided Engineering in Agriculture				
35.	NAHEP-CAAST VNMKV, Parbhani Organizing Two Week Online Course Programme on Rapid Prototyping & Reverse Engg. By 3d Scanner And 3d Printer in Agri.	2021	07 June, 2021 To 18 June, 2021	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
36.	NAHEP-CAAST VNMKV, Parbhani Organizing Eight Weeks Online Workshop on Embedded Systems and IoT in Agriculture	2021	17 June, 2021 To 07 Aug, 2021	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
37.	NAHEP-CAAST VNMKV, Parbhani Organized Two Week Online Certificate Course on Food Processing & Automation in collaboration with Chamber for Advancement of Small & Medium Businesses (CASMB), Mumbai	2021	02 Aug, 2021 To 14 Aug, 2021	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
38.	NAHEP-CAAST VNMKV, Parbhani Organized Online/Offline Two-Week Training Programme on Python programming Application using smart camera in Agriculture	2021	01 Sep, 2021 To 10 Sep, 2021	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
39.	NAHEP-CAAST VNMKV, Parbhani Organized Online/Offline Two-Week Training Programme on Advance Hydroponics & Polyhouse Automation	2021	04 Oct, 2021 To 16 Oct, 2021	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
40.	NAHEP-CAAST VNMKV, Parbhani Organized Offline One Month Hands on Training on Precision Agriculture by Advance Digital Technologies	2021	01 Dec, 2021 To 30 Dec, 2021	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
41.	Brainstorming Workshop Regarding NAHEP Project Activities	2022	10 Jan, 2022	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
42.	Four Months Institutional Internship/Training Programme of UG/PG/PHD Students	2022	21 Jan 2022 To 21 May 2022	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
43.	Centre Of Excellence for Digital Farming Solutions for Enhancing Productivity by Robots, Drones and AGVs NAHEP-CAAST-	2022	01 Feb, 2022	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani

Faculty and Staff Development

	DFSRDA Organizing a Online Quiz Competition 2022 on Vegetable Grafting				
44.	NAHEP-CAAST-DFSRDA, VNMKV, Parbhani organized International Workshop on Advanced Digital Technologies in Agricultural Automation	2021	14 March 2022 To 16 March 2022	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
45.	Three Days Brainstorming Workshop cum Training on Smart Tools Application in Agriculture	2021	18 March 2022 To 20 March 2022	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
46.	NAHEP-CAAST-VNMKV-DFSRDA Centre, Parbhani organized Online Two-Week Online Training Programme on Advanced Hydraulic and Pneumatic Technologies for Agriculture	2021	24 May, 2021 To 04 June, 2021	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
47.	One-Week Hands on Training on Application of Remote Sensing & GIS In Digital Agriculture jointly organized by NAHEP VNMKV and IIT Bombay	2021	04 June, 2021 To 08 June, 2021	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
48.	Three Days Online Short-Term Training to NAHEP-CAAST-VNMKV Students on Personality Development and Life Skills was organized by CAAST-DFSRDA, VNMKV Centre.	2021	03 June, 2021 To 05 June, 2021	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
49.	NAHEP-CAAST VNMKV, Parbhani Organizing National level Online hands on four-week Training on Applications of Computer Aided Engineering in Agriculture	2021	07 June, 2021 To 03 June, 2021	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
50.	NAHEP-CAAST VNMKV, Parbhani Organizing Two Week Online Course Programme on Rapid Prototyping and Reverse Engineering By 3d Scanner And 3d Printer in Agriculture	2021	07 June, 2021 To 18 June, 2021	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
51.	NAHEP-CAAST VNMKV, Parbhani Organizing Eight Weeks Online Workshop on Embedded Systems and IoT in Agriculture	2021	17 June, 2021 To 07 Aug, 2021	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani

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52.	NAHEP-CAAST VNMKV, Parbhani Organized Two Week Online Certificate Course on Food Processing & Automation in collaboration with Chamber for Advancement of Small & Medium Businesses (CASMB), Mumbai	2021	02 Aug, 2021 To 14 Aug, 2021	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
53.	NAHEP-CAAST VNMKV, Parbhani Organized Online/Offline Two-Week Training Programme on Python programming Application using smart camera in Agriculture	2021	01 Sep, 2021 To 10 Sep, 2021	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
54.	NAHEP-CAAST VNMKV, Parbhani Organized Online/Offline Two-Week Training Programme on Advance Hydroponics & Polyhouse Automation	2021	04 Oct, 2021 To 16 Oct, 2021	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
55.	NAHEP-CAAST VNMKV, Parbhani Organized Offline One Month Hands on Training on Precision Agriculture by Advance Digital Technologies	2021	01 Dec, 2021 To 30 Dec, 2021	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
56.	Brainstorming Workshop Regarding NAHEP Project Activities	2022	10 Jan, 2022	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
57.	Four Months Institutional Internship/Training Programme of UG/PG/PHD Students	2022	21 Jan 2022 To 21 May 2022	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
58.	Centre Of Excellence for Digital Farming Solutions for Enhancing Productivity by Robots, Drones and AGVs NAHEP-CAAST-DFSRDA Organizing a Online Quiz Competition 2022 on Vegetable Grafting	2022	01 Feb, 2022	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
59.	NAHEP-CAAST-DFSRDA, VNMKV, Parbhani organized International Workshop on Advanced Digital Technologies in Agricultural Automation	2022	14 March 2022 To 16 March 2022	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
60.	Three Days Brainstorming Workshop cum Training on Smart Tools Application in Agriculture	2022	18 March 2022 To 20 March 2022	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani

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61.	IIT Kharagpur organized a Two-week training on Digital Image Processing and Computer Vision for Crop Health Monitoring	2022	06 June, 2022 To 18 June 2022	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
62.	IIT Kharagpur organized a Three-week training on Computer Aided Design and Simulation of Agri-Machines using Solid Works	2022	06 June 2022 To 25 June 2022	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
63.	Online Workshop organized by NAHEP-CAAST-DFSRDA, VNMKV Parbhani on Intellectual Property Rights (IPR) & Patents, Design Filing in association with Rajiv Gandhi National Institute of Intellectual Property Management (RGNIIPM) Government of India, Nagpur (Under National Intellectual Property Awareness Mission)	2022	29 August, 2022	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
64.	National Agriculture Higher Education Project Centre of Excellence: Digital Farming Solutions for Enhancing Productivity by Roots, Drones and AGVs (DFSRDA), VNMKV, Parbhani (M. S.) India organized National Training Programme on Quality Seed Production and Certification of Field Crops	2022	10 Oct, 2022 To 15 Oct, 2022	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
65.	National Agricultural Higher Education Project, Centre of Excellence: Digital Farming Solutions for Enhancing Productivity by Robots, Drone and AGVs (DFSRDA), VMKV, Parbhani (M. S) India organized Two Days Workshop cum Training on Effective E-Content Development for Education in Agriculture	2022	21 Nov, 2022 To 22 Nov, 2022	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
66.	IIT Bombay originated Residential two-week short-term course training programme for NAHEP Faculty and Researches on Data Driven Agriculture: Tools and Techniques	2022	10 Dec, 2022 To 23 Dec, 2022	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani
67.	National Agricultural Higher Education Project, Centre of Excellence: Digital Farming Solutions	2022	28 Feb, 2023 To	NAEHP, VNMKV, Parbhani	NAEHP, VNMKV, Parbhani

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	for Enhancing Productivity by Robots, Drone and AGVs (DFSRDA), VNMKV, Parbhani (M. S) India in Collaboration with ICAR-IASRI, New Delhi organized Two Days Workshop cum Training on Academic Management System (AMS)		01 March, 2023		
68.	Post Harvest Technology & Value Addition	2022	22.03.2022 to 24.03.2022	Dept. of Agril. Engg., COA, Parbhani	ICAR, New Delhi
69.	Orientation workshop on NICE for content creators managers and CRPS	2018	17.04.18	ATIC, Parbhani	NARM, Hyderabad
70.	Training to farmers from Parbhani taluka on Improved Implements at UAE center	2019	30/05/2018	VNMKV, Parbhani	ICAR, New Delhi
71.	Training Programme on improved farm machinery for Beed, Parbhani Nanded, Osmanabad and Latur District farmers	2019	02/08/2018	VNMKV, Parbhani	ICAR, New Delhi
72.	Field day celebration at Ganjapur Ta. Dharur Dist . Beed in collaboration with KVK , Ambajogai Dist. Beed	2019	12/09/2018	VNMKV, Parbhani	ICAR, New Delhi
73.	Training Programme on improved farm machinery for Marathwada region farmers	2019	16.10.2018	VNMKV, Parbhani	ICAR, New Delhi
74.	Training programme on improved farm machinery and implements to farmers from Parbhani district	2019	29/12/2018	VNMKV, Parbhani	ICAR, New Delhi
75.	Training programme on improved farm machinery and implements to farmers from Hingoli	2019	31/12/2018	VNMKV, Parbhani	ICAR, New Delhi
76.	Training programme and demonstration of improved bullock drawn farm machinery and implements to Organic Farmer Group Dist Nanded at UAE Parbhani center	2019	4/01/2019 and 5/01/2019	VNMKV, Parbhani	ICAR, New Delhi
77.	Training programme and demonstration of improved bullock drawn farm machinery and implements to Organic Farmer Group Dist Latur at UAE Parbhani center	2019	8/01/2019 and 9/01/2019	VNMKV, Parbhani	ICAR, New Delhi

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78.	Training programme and demonstration of improved bullock drawn farm machinery and implements to Organic Farmer Group Osmanabad and Beed Dist. at UAE Parbhani center	2019	26/02/2019	VNMKV, Parbhani	ICAR, New Delhi
79.	Training programme and demonstration of improved bullock drawn farm machinery and implements to Organic Farmer Group Jalna and Aurangabad Dist. at UAE Parbhani center	2019	1/03/2019	VNMKV, Parbhani	ICAR, New Delhi
80.	Training to Farmers at Kesarpur Village under Krishi Vigyan Kendra Ghatkheda Dist. Amravati	2019	30/04/2019	VNMKV, Parbhani	ICAR, New Delhi
81.	Training programme and demonstration of improved bullock drawn farm machinery and implements to Mahila Bachat gat from Murta village Ta. Tuljapur Dist. Parbhani	2020	12/09/2019	VNMKV, Parbhani	ICAR, New Delhi
82.	Training on Improved bullock drawn implement and solar equipment	2020	19.6.2020	VNMKV, Parbhani	ICAR, New Delhi
83.	Training on Organic farming and biogas management	2020	26.6.2020	VNMKV, Parbhani	ICAR, New Delhi
84.	Training on Use of solar gadgets and mechanization in sericulture	2020	27.7.2020	VNMKV, Parbhani	ICAR, New Delhi
85.	Training on Mechanization and use of solar energy	2020	1.7.2020	VNMKV, Parbhani	ICAR, New Delhi
86.	Demonstration of MPTC at IFS Research Center, VNMKV, Parbhani	2020	14.7.2020	VNMKV, Parbhani	ICAR, New Delhi
87.	Demonstration of Three Tyne Hoe and Solar operated sprayer at Dry land Research center VNMKV, Parbhani	2020	18.7.2020	VNMKV, Parbhani	ICAR, New Delhi
88.	Demonstration of Bullock Drawn Solar Operated Sprayer at Jamb Tq. Dist. Parbhani	2020	8.8.2020	VNMKV, Parbhani	ICAR, New Delhi
89.	Demonstration of bullock drawn planter on Progressive farmer field	2020	11.11.2020	VNMKV, Parbhani	ICAR, New Delhi

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90.	Improved bullock drawn implement and solar equipment	2021	19.6.2020	VNMKV, Parbhani	ICAR, New Delhi
91.	Organic farming and biogas management	2021	26.6.2020	VNMKV, Parbhani	ICAR, New Delhi
92.	Use of solar gadgets and mechanization in sericulture	2021	27.7.2020	VNMKV, Parbhani	ICAR, New Delhi
93.	Mechanization and use of solar energy	2021	1.7.2020	VNMKV, Parbhani	ICAR, New Delhi
94.	Online 15-day certified course by organic farming and AICRP on UAE	2021	21.9.2020 to 9.10.2020	VNMKV, Parbhani	ICAR, New Delhi
95.	AICRP on UAE, VNMKV, Parbhani center & KVK, Jalgon Jamod organized training for the FLD farmers.	2022	25.5.2021	VNMKV, Parbhani	ICAR, New Delhi
96.	AICRP on UAE, VNMKV, Parbhani organized training & Distribution o Agril. Equipments under TSP to tribal farmers of Aswali (Harsh) Tq: Trambak Dist. Nashik	2022	1.6.2021	VNMKV, Parbhani	ICAR, New Delhi
97.	Training of UAE developed Equipments to farmer under FLD at Kesharpur Tq. Chikhaldara Dist. Amravati by KVK scientist.	2022	20.10.2021	VNMKV, Parbhani	ICAR, New Delhi
98.	Online training organized by AICRP on UAE, VNMKV, Parbhani regarding use of mechanized bullock drawn implements for the farmers of Wai, Kalamuri dist. Hingoli .	2022	19.11.2021	VNMKV, Parbhani	ICAR, New Delhi
99.	AICRP on UAE, VNMKV, Parbhani have organized training programme under SCSP Sub Plan on Mechanization in Agriculture and Value Addition.	2022	29-30 th Nov 2021	VNMKV, Parbhani	ICAR, New Delhi
100.	Training & Distribution of Argriculture equipments to Triable farmers under TSP (Tribal Sub Plan) to the Karyashil Shetkri Bachat Gat from Thakarwadi, Tq: Hadgoan, Dist: Nanded.	2022	24.6.2021	VNMKV, Parbhani	ICAR, New Delhi
101.	Training & distribution of bullock drawn	2022	29.6.2021	VNMKV, Parbhani	ICAR, New Delhi

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	implements developed under AICRP on UAE to Swaraj Agro Shetkari bachat gat of Mandakali Tq. Dist. Parbhani.				
102.	Training and demonstration on use of mechanized implements & specially use of BBF technology.	2022	29.6.2021	VNMKV, Parbhani	ICAR, New Delhi
103.	Training on improved tractor drawn and bullock drawn farm implements at KVK Parbhani	2022	30.6.2021	VNMKV, Parbhani	ICAR, New Delhi
104.	Training and distribution of implements to the Pragatishil Shetkiari Samuh Gat Lavada Tq. Dharni Dist. Amravati.	2022	27.7.2021	VNMKV, Parbhani	ICAR, New Delhi
105.	Training and demonstration to different state farmers and goshala owners of bullock operated rotary mode Agro processing unit machines at Devlpar Dist. Nagpur at Go Vigyan Anusandhan Kendra, Devlpar where the TRC center developed under UAE, Parbhani	2022	25.01.2022	VNMKV, Parbhani	ICAR, New Delhi
106.	Training Program for SC-SP on eve of International Womens day AICRP on UAE VNMKV Parbhani organized two day training Programme on Farm Mechanization and Value Addition	2022	8 and 9 March 2022	VNMKV, Parbhani	ICAR, New Delhi
107.	AICRP on UAE organized two days training Programme for the SC-SP farmers regarding farm mechanization and value addition.	2022	11 and 12 March 2022	VNMKV, Parbhani	ICAR, New Delhi
108.	AICRP on UAE and Parbhani Mahila Bachat Gat Nagri Sahakari Patsantha, Parbhani organize training program on mechanization Agri based employment through mechanization-Golden opportunity	2023	4.5.2022	VNMKV, Parbhani	ICAR, New Delhi
109.	Training and Distribution of the equipment under SCSP sub plan to the farmers of Bothi and Turati from Tq. Umri Dist. Nanded.	2023	16.6.2022	VNMKV, Parbhani	ICAR, New Delhi

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110.	Training organized in collaboration with KVK Parbhani for the seed and fertilizer vendors of Parbhani Tahsil regarding mechanization In Agriculture and value addition.	2023	22.9.2022	VNMKV, Parbhani	ICAR, New Delhi
111.	Training organized in collaboration with Krishi Mahavidyalay Pathri Dist Parbhani to the seed and fertilizer vendors of Pathri Tahsil.	2023	27.9.2022	VNMKV, Parbhani	ICAR, New Delhi
112.	Organize field visit and training at Shri Chantrapati Shivaji Maharaj Goshala, Ranisawargaon Tq. Gangakhed Dist. Parbhani on the occasion of Programme directed by State Government and University of Ek Divas Balirajasathi	2023	8.11.2022	VNMKV, Parbhani	ICAR, New Delhi
113.	Workshop on All India Survey on Higher Education	2018	Feb.2018	Department of Agricultural Economics, College of Agriculture, Parbhani.	VNMKV, Parbhani
114.	22 nd National Conference Maharashtra Society of Agricultural Economics, VNMKV, Parbhani	2019	Dec. 21-22, 2019	Department of Agricultural Economics, College of Agriculture, VNMKV, Parbhani.	VNMKV, Parbhani
115.	Soft skill development and communication	2020	one day	Collage of Agriculture Badanapur	Collage of Agriculture Badanapur
116.	Conducted training programme on Tools & Techniques in Bioinformatics with Industrial Approach	2018	July 4-5th, 2018.	V.D.CO Agril. Biotechnology Latur	VNMKV
117.	One day training program was organized for Farmers of Lakhegaon, Tq Paithan on by on Importance of cereal crops.	2018	16.11.18	NARP, Aurangabad	VNMKV
118.	Ten days training programme entitled Shetkari Mahila Kaushalya Vikas Prashikshan - 2018 in operational village Nandgaon Tq.& Dist.	2018	5/07/2018 to 14/07/2018.	AICRP FRM	VNMKV

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	Parbhani during Information and demonstration about drudgery reducing technologies				
119.	One day training program was organized for Farmers on by on Management of rabi and fruit crops under drought situation.	2018	1.11.18	NARP, Aurangabad	VNMKV
120.	One day training program was organized for students on by on Parthenium eradication.	2018	20.08.18	NARP, Aurangabad	VNMKV
121.	Research Associate AICRP-CT conducted training on Construction of folding cloth bags to the group of ten women at Daithana	2018	26 and 27th June 2018.	AICRP-CT	VNMKV
122.	One day training program was organized for CRPs (community Resource person) Bhokardan block district Jalna for how to use NICE software for dissemination of Agromet Advisories	2018	14th Aug, 2018.	GIZ, Germany & MANAGAE, Hyderabad and AICRP on Agromet	VNMKV
123.	Five days Training Programme Capacity building training in Soil and Fertilizer use during	2018	13-17 November,2018	Dept. of Soil Science	VNMKV
124.	Workshop on All India survey on higher education	2018	feb 2018	Agril. Economics	VNMKV
125.	Climate Change and Rainfed Agriculture	2018	13-20 October,2018	AICRPDA, VNMKV, Parbhani	Directorate of Extension, Dept. of Agriculture and Cooperation and Farmers Welfare, Govt. of India, New Delhi
126.	National Annual Review Workshop under All India Network Project on Harvesting, Processing and Value Addition of Natural Resins and Gums (AINPHPVNRG)	2019	19-20 November 2019	College of Food Technology	VNMKV
127.	ICAR sponsored short course on Doubling the farmers income through integrated farming systems for livelihood security	2019	Nov. 18-27, 2019	Dryland Research Station, Parbhani.	VNMKV Parbhani

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128.	Training on Cotton Crop	2019	18-19 September, 2019.	Cotton Research Station, Nanded	VNMKV Parbhani
129.	One day training organized on Pink Bollworm management	2019	02 January, 2019	Cotton Research Station, Nanded	VNMKV Parbhani
130.	Training organized on Cotton Pest Management for the farmers from Yewatmal District	2019	on 21 December, 2019	Cotton Research Station, Nanded	VNMKV Parbhani
131.	Training organized on Cotton Pest Management for the farmers from Parbhani District	2019	23 December, 2019.	Cotton Research Station, Nanded	VNMKV Parbhani
132.	Training organized on Cotton Pest Management for the farmers from Washim, Akola and Amrawati	2019	26 Dec., 2019.	Cotton Research Station, Nanded	VNMKV Parbhani
133.	Training organized to Farmers at Kesarpur Village under Krishi Vigyan Kendra Ghatkheda Dist. Amravati on.	2019	30.04.2019	Cotton Research Station, Nanded	VNMKV Parbhani
134.	Workshop organized on Gulabi Bond Alee Vavasthapan Karya Shalya, Nivishta Watap aani NHH-44 Bt Pratakshik Shivar Pheri	2020	02 January, 2020	Cotton Research Station, Nanded on.	VNMKV Parbhani
135.	Training programme was organized on Sunflower and Linseed production Technology	2020	29 th September 2020	ORS, Latur	VNMKV Parbhani
136.	One day Online training for staff of the Dept. of Entomology, all SMS of Plant Protection KVK for Marathwada and farmers on Planning for pests management of kharif crops in Marathwada region	2020	01 May, 2020.	Dept. of Agril. Entomology	VNMKV, Parbhani
137.	One day Online training for staff of the Dept. of Entomology, all SMS of Plant Protection KVK for Marathwada and farmers on World Honey bee Day	2020	20 May, 2020.	Dept. of Agril. Entomology,	VNMKV, Parbhani
138.	One day Online training for staff of the Dept. of Entomology, all SMS of Plant Protection KVK for Marathwada and farmers on Awareness and Integrated pest management of Fall Army worm	2020	05 Aug, 2020.	NAHEP and Dept. of Agril. Entomology	VNMKV, Parbhani

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139.	One week Online training on Recent trends in Academic Writing	2020	20 – 24 Aug 2020.	Univ. Library and Dept. of Extension Education,	VNMKV, Parbhani
140.	International Seminar on Digital Technologies for Smart Agriculture - A Futuristic Plan	2020	10-13 Aug, 2020.	Dept. of Agril. Entomology	VNMKV, Parbhani
141.	Online district level training for staff of state Agril. Department Parbhani under CROPSAP	2020	02 July, 2020.	Dept. of Agril. Entomology,	VNMKV, Parbhani
142.	Online district level training for staff of state Agril. Department Hingoli under CROPSAP	2020	10 July, 2020.	Dept. of Agril. Entomology,	VNMKV, Parbhani
143.	Online district level training for staff of state Agril. Department Nanded under CROPSAP	2020	24 July, 2020.	Dept. of Agril. Entomology,	VNMKV, Parbhani
144.	Online district level training for staff of state Agril. Department Aurangabad	2020	02 July, 2020.	RAMETI and Dept. of Agril. Entomology,	VNMKV, Parbhani
145.	Online webinar on use of agriculture chemicals for healthy environment	2020	25 July to 08 Aug, 2020.	Dept. of Agril. Entomology,	VNMKV, Parbhani
146.	Online training for staff of state Agril. Department Parbhani	2020	12 Aug, 2020.	Dept. of Agril. Entomology,	VNMKV, Parbhani
147.	One week Online training programme was organised on Impact of COVID – 19 on Agriculture Education.	2020	09 to 13 June2020..	NAHEP and College of community science	VNMKV, Parbhani
148.	State level One day webinar on Advanced Career opportunities for entrepreneurship development in Community Science	2020	26.11.2020	College of community science	VNMKV, Parbhani
149.	one day webinar organized on Parental orientation to Laboratory Pre- Primary School academic programme of 2020-21 and Advisory on developmental Activities for young children for LPPS parents	2020	15-7-2020	College of community science,	VNMKV, Parbhani.
150.	Online State level training programme organized from on Management of child development education centre	2020	5 August to 15 September 2020	College of community science	VNMKV, Parbhani
151.	State level Online short term course on MCDEC organized	2020	8.9.2020	Dept. of HDFS, CCS	VNMKV, Parbhani

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152.	Advanced Career Opportunities for Entrepreneurship Development in Community Science	2020	26.11.2020	College of Community Science	VNMKV, Parbhani
153.	Training programme on Stitching of cloth face mask for protection COVIDE-19	2020	10 to 20 April, 2020	College of Community Science	VNMKV, Parbhani
154.	Seven days Hands-On Training program on Exploring the Tools and Techniques in Molecular Biology and Bioinformatics for Crop Improvement	2020	02-08 March, 2020	VDCOAB, Latur	VNMKV, Parbhani
155.	One week Online training program on Recent advances and instrumentation in agricultural meteorology	2020	26th may to 02nd June, 2020	AICRP on Agromet	VNMKV, Parbhani
156.	International Seminar on Digital Technologies for Smart Agriculture	2020	10-13 Aug, 2020	NAHEP	VNMKV, Parbhani
157.	International Online training on Recent Physio-Molecular Digital Tools in Abiotic Stress Management for crop modelling	2020	29 June to 03 July 2020	CAAST (Dept. of Botany) and NAHEP	VNMKV, Parbhani
158.	Workshop on Entrepreneurship development through processing of agricultural produce	2020	24.10.2020	Dept of APE and MCED	VNMKV, Parbhani
159.	Workshop organized on Soybean Prakriya Laghuudyog	2020	7.7.2020	Dept. of APE CAET	VNMKV, Parbhani
160.	Online training program on Improved Bullock Drawn Implement and Renewable Energy Gadgets	2020	19.6.2020	AICRP on UAE	VNMKV, Parbhani
161.	One day training on Use of implements in organic farming	2020		OFRTC and AICRP on UAE	VNMKV, Parbhani
162.	Online Webinar on Self sufficient through sericulture	2020	27.6.2020	AICRP on UAE, and Sericulture Research Center	VNMKV, Parbhani
163.	Online training program on farm mechanization	2020	7.7.2020	Deptt of FMP, CAET	VNMKV, Parbhani

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164.	Training program on Organic Farming	2020	21.9.2020 to 9.10.2020	OFRTC and AICRP on UAE	VNMKV, Parbhani
165.	IWM and efficient use of weedicides	2021	23-25 March, 2021	Dept of Agronomy	ICAR for SC students
166.	Organic farming training	2021	15-21 March, 2021	OFRTC, VNMKV, Parbhani	RCOF, Nagpur and CSA, Hyderabad
167.	Training programme on HACCP, ISO-22000 and FSMS	2021		college of community Science	VNMKV, Parbhani.
168.	Weather Forecasts and Expert Advice for Crop Management	2021	August 16, 2021	AICRP on Agromet,	VNMKV, Parbhani.
169.	Management of Kharif crops and Planning for rabi crops	2021	Sept 25, 2021	AICRP on Agromet,	VNMKV, Parbhani
170.	Farmers awareness programme at Haldaf Tq. Mahur Dist. Nanded	2021	Nov 19, 2021	AICRP on Agromet	VNMKV, Parbhani
171.	farmers awareness programme was organized at Boldawadi Tq. Kalamnuri Dist. Hingoli	2021	Nov 25, 2021	AICRP on Agromet	VNMKV, Parbhani
172.	farmers awareness programme was organized at Hissi Tq. Selu Dist. Parbhani	2021	Dec 09, 2021	AICRP on Agromet	VNMKV, Parbhani
173.	West Zone National Symposium on Achieving Sustainability in Crop Production Through Alimentation and Plant Protection	2021	17th – 18th November, 2021	College of Agriculture, Latur	Indian Phytopathological Societys
174.	Training for staff and officers of state Agril. Department under CROPSAP	2021	02 July, 2021	Dept. of Agril. Entomology	VNMKV, Parbhani
175.	Online Masters training programme under CROPSAP	2021	08 July, 2021 09 July, 2021 13 July, 2021 15 July, 2021	Dept. of Agril. Entomology	VNMKV, Parbhani
176.	Online workshop on Summer soybean seed production technology	2021	2 Dec, 2021	AICRP on Soybean	Directorate of Research, VNMKV Parbhani
177.	Training on Bee keeping	2021	10 Dec, 2021 24-26 March, 2021	Dept. of Agril. Entomology	VNMKV, Parbhani
178.	Training programme on sericulture	2021	16-13 March, 2021	Dept. of Agril. Entomology	VNMKV, Parbhani
179.	Compost production technology for SC woman under SC SP sub plan	2021	22-26 March, 2021	SSAC Dept	VNMKV, Parbhani

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180.	Training was organized on Water, tissue and micro nutrient analysis for state Agril. Dept staff	2021	20-24 Dec, 2021	SSAC Dept	VNMKV, Parbhani
181.	Online webinar	2021	01-07-2021	college of Community Science	KVK, Tuljapur and Jivan Jyoti Abhiyan, Osmanabad
182.	Workshop on empowerment of the farming family	2021	02 -07-2021	AICRP- Home Science	VNMKV, Parbhani
183.	One day webinar with the theme Shetakari mahilanchya vikasat gruhavidnyan tantradnyanachi bhumika	2021	6.8.2021	AICRP- Home Science	KVK Sagroli and UMED Dist. Nanded
184.	Training on Shet mal prakriya laghu udyog	2021	23-27 March, 2021	COAET, Parbhani	VNMKV, Parbhani
185.	Training organized for the FLD farmers	2021	25.05.2021	AICRP on UAE,Parbhani	VNMKV, Parbhani
186.	Training organized for the tribal farmers of Aswali(Harsh)Tq. Trambak Dist.Nashik	2021	01.06.2021	AICRP on UAE	VNMKV, Parbhani
187.	Training organized for the farmers of Kesharpur Tq. Chikhaldara Dist. Amarawati	2021	20.10.2021	AICRP on UAE	VNMKV, Parbhani
188.	Online training organized on use of mechanized bullock drawn implements for farmers of Wai Tq.Kalamnuri Dist.Hingoli	2021	19.11.2021	AICRP on UAE	VNMKV, Parbhani
189.	Training organized for SC-SP farmers on mechanization in Agriculture and Value addition	2021	29-30 Nov, 2021	AICRP on UAE	VNMKV, Parbhani
190.	Training organized for the farmers under TSP plant at Thakarwadi Tq. Hadgaon Dist. Nanded	2021	24.06.2021.	AICRP on UAE	VNMKV, Parbhani
191.	Training organized for the farmers of Mandakhali Tq. Dist. Parbhani	2021	29.06.2021.	AICRP on UAE, Parbhani	VNMKV, Parbhani
192.	Training organized for the farmers of Lavada Tq. Dharani Dist. Amaravati	2021	27.07.2021	AICRP on UAE	VNMKV, Parbhani
193.	Training linseed to State Agri. Depart. Staff Chakur	2022	4/01/2022	ORS Latur	VNMKV, Parbhani
194.	State level Online Training Series on Organic Farming	2022	15.2.2022 to 31.3.2022	OFRTC Parbhani	VNMKV, Parbhani

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195.	Training on oilseeds to farmers	2022	15/03/2022	ORS Latur	VNMKV, Parbhani
196.	Training On Integrated Farming Systems to Farmers	2022	02/03/2022	ECF Basmatnagar	VNMKV, Parbhani
197.	Training on Integrated Management on Pink Bollworms to Krishi Seva Kendra owners and Ginning Mill owners	2022	22/03/2022	ARS Badnapur	VNMKV, Parbhani
198.	State level Online Training Series on Organic Farming	2022	14 Sept to 2 Oct 2022	OFRTC Parbhani	VNMKV, Parbhani
199.	Tools & Techniques in Bioinformatics with Industrial Approach	2019	4.07.2018 to 5.07.2018	V.D. College of Agril. Biotechnology, Latur	Department of Biotechnology (DBT), New Delhi
200.	Exploring the Tools and Techniques in Molecular Biology and Bioinformatics for Crop Improvement	2020	02.03.2020 to 08.03.2020	V.D. College of Agril. Biotechnology, Latur	Department of Biotechnology (DBT), New Delhi
201.	Integrated use of Biotechnological and Bioinformatics tools in crop improvement	2021	22.03.2022 to 28.03.2022	V.D. College of Agril. Biotechnology, Latur	Department of Biotechnology (DBT), New Delhi
202.	Personality Development- Mr. Rajesh Chavhan, Founder of Jeevan Sanjeevani Manav Sanshodhan va Vikas Sanstha, Sahyadrinagar, Wai, Dist: Satara	2019	12.07.2018	COA, Latur	COA, Latur
203.	Personality Development training programme cum Workshop for students and staff- Mr. Kushal Raut, Director, CommuniCare (Training and Solutions) Pune and Sanjeev Rane, Trainer and Motivational Speaker, CommuniCare (Training and Content Solutions) Pune	2019	19.03.2019 to 20.03.2019	COA, Latur	COA, Latur
204.	Personality Development training programme cum Workshop for students and staff- Dr. Sivaprasad, SS, Technologies, Hyderabad	2020	18.03.2020 to 20.03.2020	COA, Latur	COA, Latur
205.	Placement Secrets Revealed: For Job Seeking Professionals & Agril. Students- Mr. Vevek Gahatraj, Founder & Creator of Kisan Business	2021	28.09.2021	COA, Latur	COA, Latur

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	Clinic, Nashik				
206.	Short Training on Computer Applications in Agriculture	2021	27-09-2021 29-09-2021	Computer Laboratory, COA, Latur	COA, Latur
207.	Placement Secrets Revealed: For Job Seeking Professionals & Agril. Students by Mr. Vevek Gahatraj, Founder & Creator of Kisan Business Clinic, Nashik	2021	28-09-2021 28-09-2021	COA, Latur	COA, Latur
208.	Organized National Conference and IPS (WZ) 2021 on Achieving Sustainability in Crop Production Through Alimentation and Plant Protection	2021	17-11-2021 18-11-2021	Department of Plant Pathology, COA, Latur	Indian Phythopathological Society, New Delhi
209.	Session on Job opportunities in Commodity Warehousing, Multi Commodity Exchange, Mumbai (MCX)	2022	18-02-2022 18-02-2022	Online	Commodity Warehousing, Multi Commodity Exchange, Mumbai
210.	Delivering the Agri-Informatics course contents with Informatics course contents with student centric approach	2022	15-03-2022 15-03-2022	Computer Laboratory, COA, Latur	COA, Latur
211.	Workshop on Psychological Support for Covid-19 Pandemic situation (Online)	2021	07-07-2021	COA, Latur	COA, Latur
212.	State Level Soybean Conference-2021	2021	16-08-2021	COA, Latur	State Agriculture Department and COA, Latur
213.	ICAR, New Delhi funded SC-SP Plan one day lectures on 28 Online discipline wise lectures on various important aspects	2022	17-30 March, 2022	COA, Latur	COA, Latur
214.	ICAR, New Delhi funded SC-SP Plan one day training in 05 different aspects	2022	20-24 March, 2022	COA, Latur	COA, Latur
215.	One day Session on Conservation of Indigenous Livestock and Fodder Crop Management	2023	18-03-2023	Department of Animal Husbandry and Dairy Science, College of Agriculture, Latur	COA, Latur
216.	Development of Soft Skills for Entrepreneurship among Agri-graduates	2023	13 -03-2023	COA, Latur	ICAR-NAARM, Hyderabad

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217.	Role of Youths in Indias Development- Shri. Pradeepji Nanandkar, Editor, Indradhanushya YouTube Channel and Senior Journalist, Latur	2022	12.08.2022	COA, Latur	COA, Latur
218.	Soft Skills and Personality Development- Dr. Sivaprasad, SS, Technologies, Hyderabad and Pune	2023	05.01.2023 to 06.01.2023	COA, Latur	COA, Latur
219.	Training on Integrated Management of Snails	2022	30.07.2022	Project on Phased Transition of Farmers from Chemical Farming to Integrated Approach, Department of Entomology, College of Agriculture, Latur	ADM Care Foundation and ADM Industries & Vizag Pvt. Ltd., Latur
220.	Training on Importance of Integrated Crop Management	2022	31.07.2022	-----	-----
221.	Training on Integrated Weed Management in Soybean	2022	03.08.2022	-----	-----
222.	Training on Integrated Pest Management of Soybean	2022	06.08.2022	-----	-----
223.	Training on Integrated Disease Management of Soybean	2022	06.08.2022	-----	-----
224.	Training on Integrated Nutrient Management of Soybean: Planning for Spraying of Liquid Fertilizers	2022	10.08.2022	-----	-----
225.	Training on Integrated Pest Management of Soybean	2022	10.09.2022	-----	-----
226.	Training on Integrated Disease Management of Soybean	2022	12.09.2022	-----	-----
227.	Training on Nutrient Deficiency Symptoms in Soybean and their management	2022	14.08.2022	-----	-----
228.	Training on Soybean Present Status and Future	2022	16.09.2022	-----	-----

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229.	Training on Management of Soybean Under Current Situation	2022	30.09.2022	-----	-----
230.	Training on Chickpea Production Technology	2022	04.10.2022	-----	-----
231.	Training on Chickpea Production Technology for higher productivity	2022	22.11.2022	-----	-----
232.	Training on Integrated Disease Management in Pigeonpea and Chickpea	2022	24.11.2022	-----	-----
233.	Training on Integrated Pest Management in Pigeonpea and Chickpea	2022	26.11.2022	-----	-----
234.	Training on Soil, Water and Agriculture	2022	05.12.2022	-----	-----
235.	Training on Soil Problems of Marathwada Region	2022	05.12.2022	-----	-----
236.	Training on Soil Where Food Begins	2022	05.12.2022	-----	-----
237.	Training on Importance of Soil Health for Sustainable Agriculture	2022	05.12.2022	-----	-----
238.	Training on Integrated Pest Management in Pigeonpea and Chickpea	2022	24.12.2022	-----	-----
239.	Training on Safflower: Present Status and Future	2022	29.12.2022	-----	-----
240.	Workshop on Soft Skills & Personality Development	2023	05.01.2023 to 06.01.2023	Student Counseling and Placement Cell, CoA, Latur	ICAR, New Delhi and VNMKV, Parbhani
241.	Awareness /Training on National Intellectual Property Awareness Mission	2022	29.01.22	-----	Govt. of India, Ministry of Commerce & Industry, Department for Promotion of Industry & Internal Trade Office of the Controller General of Patents, Designs & Trade Marks
242.	Project-Based Learning for Environmental	2023	03.03.23	-----	CoA, Latur

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	Action: Building Skills and Making an Impact				
243.	Career in UPSC	2023	08.02.23	-----	CoA, Latur
244.	Born To Win	2023	08.02.23	-----	CoA, Latur
245.	Drone Technology : Application in Agriculture	2023	11.01.23	-----	CoA, Latur
246.	Secretes of Survival of Insects and Insect Collection and Preservation: Do and Dont	2023	28.01.23	Department of Entomology	CoA, Latur
247.	Role of Youths in Indias Development under International Youth Day, Azadi Ka Amrut Mahostav and Swarajya Mahotsav-2022,	2022	28.08.22	Student Counseling and Placement Cell, CoA, Latur	CoA, Latur
248.	Food Processing	4-6 march 2020	Three days	Dept. Food Science and Nutrition	organised by Food Science and Nutrition with colaboration of MITCON
249.	Soybean Products preparations	11th to 13th March 2020	Three days training	Dept. Food Science and Nutrition	organised by Food Science and Nutrition with colaboration of MITCON
250.	Protective Clothing for Pesticide Application	2018	21.06.2018 One day	Clothing and Textile component, AICRP on Home Science	
251.	Construction of foldable cloth bags	2018	26.06.2018 to 27.06.2018 Two days	Clothing and Textile component, AICRP on Home Science	
252.	Best out of waste fabric	2018	22.9.2018 One days	Clothing and Textile component, AICRP on Home Science	
253.	Best out of waste fabric	2018	1.10.2018 One day	Clothing and Textile component, AICRP on Home Science	
254.	Spray printing	2018	24.12.2018 One day	Clothing and Textile component, AICRP on Home Science	

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255.	Stencil and spray printing	2018	31.12.2018 One day	Clothing and Textile component, AICRP on Home Science	
256.	Stitching of school Uniform	2019	9.3.2019 To 15.3.2019 One week	Department of Textiles & Apparel Designing College of Community Science VNMKV Parbhani	
257.	Gond Painting training	2019	4.12.2019 to 16.12.2019 Two weeks	Clothing and Textile component, AICRP on Home Science	
258.	Stitching of face mask for protection of COVID 19	2020	10.4.2020 to 23.4.2020 14 days	Department of Textiles & Apparel Designing College of Community Science VNMKV Parbhani	
259.	Stitching of featured face mask for protection from COVID 19 and Stitching of button & button hole	2021	18.2.2021 to 22.2.2021 Five days	Department of Textiles & Apparel Designing College of Community Science VNMKV Parbhani	
260.	Stitching of baby top	2021	6.4.2021 to 10.4.2021 Five days	Dept of Textiles & Apparel Designing College of Community Science VNMKV	
261.	Stitching	2022	11.7.2022 ongoing	Department of Textiles & Apparel Designing And Parbhani Mahila Swavlamban Bachat Gat	
262.	Personality and Entrepreneurial Capabilities Development Training Programme for graduate students	2019	4 to 5 April 2019	College of Community Science, VNMKV, Parbhani	ICAR- Under Scheduled Caste Sub Plan (SC-SP)
263.	International Training on Capacity Building and Skill Development in Renewable Energy	1 st to 10 th Jan.,2019	2 week	NAHEP, Dr.PDKV,Akola	

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264.	ICT Applications in Agricultural Education and Extension	2020	19 th Feb.to 10 th March,2020		
265.	Entrepreneurship Development awareness camp for graduate students	07 to 9 January 2020	Three days Training Programme	College of Community Science, VNMKV, Parbhani	ICAR- Under Scheduled Caste Sub Plan (SC-SP)
266.	Personality and Entrepreneurial Capabilities Development Training Programme	15-17 March 2022.	Three days Training Programme	College of Community Science, VNMKV, Parbhani	ICAR- Under Scheduled Caste Sub Plan (SC-SP)

6.6.6 Student Development**6.6.6.1 Scholarships/Stipend**

University has proposed to offer scholarship for meritorious students on its own from the financial year 2022-23, it is proposed to give scholarship of Rs.25000 /- per month for Ph.D. students of faculty of Agriculture, Horticulture, Community Science (Home Science), Food Technology, and Agriculture Engineering and Technology.

The UG, PG and Ph.D. students of Agriculture, Horticulture, Food Technology, Agril. Engineering and Technology, Community Science, Agril. Bio-technology and Agril. Business Management receives various meritorious / competitive scholarship / fellowship.

Table: Details of these scholarship are as follows

Sr. No.	Name of Scholarship	Amount of Scholarship (Rs/Year)
1	Government of India Scholarship	37000
2	Central Sector Scholarship	10000
3	National Talent Scholarship	36000 for UG 60000 for PG
4	Merit Cum Mean Scholarship	5500
5	Handicap Scholarship	5500
6	RAWE Scholarship / Stipend	15000
7	Chattrapati Shahu Maharaj Shishyavrutti Yojana	6000-40000
8	Dr. Panjabrao Deshmukh Vastigruh Nirvah Bhatta Yojana	30000
9	Ex.Serviceman Scholarship	5500
10	Junior Research Fellowship	160000
11	Chattrapati Shahu Maharaj Research Training and Human Development Institute, Pune (SARTHI)	300000
12	Mahatma Jyotiba Phule Research and Training Institute, Nagpur (MAHAJYOTI)	180000
13	Dr. Babasaheb Ambedkar Research and Training Institute, Pune (BARTI)	420000
14	INSPIRE Fellowship under Inspire Programme, Ministry of Science and Technology, Govt. of Maharashtra (INSPIRE)	300000
15	Short-Term Doctoral Fellowship Indian Council of Social Science Research (ICSSR)	240000
16	National Fellowship for Higher Education for ST students Ministry of Tribal Affairs, Government of India (NFST)	420000
17	ICAR Senior Research Fellowship (SRF)	420000

Student Development

Table: Yearwise and collegewise UG beneficiaries of these scholarships are as follows

Sr. No.	Name of the College	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
1	College of Agriculture, Parbhani	970	933	1043	1274	845
2	College of Agri. Engg. & Tech. Parbhani	345	374	205	272	130
3	College of Food Technology, Parbhani	160	209	166	219	237
4	College of Community Science, Parbhani	--	01	01	01	01
5	College of Horticulture, Parbhani	08	08	10	12	24
6	College of Agriculture, Ambajogai	06	06	10	15	15
7	College of Agriculture, Osmanabad	178	253	159	245	96
8	College of Agriculture, Latur	308	404	331	436	437
9	College of Agriculture, Badnapur	294	338	191	328	331
10	College of Agriculture, Golegaon	127	201	155	223	223
11	V.D. College of Agri. Bio-technology, Latur	01	01	03	06	08

Table: Yearwise and collegewise PG beneficiaries of these scholarships are as follows;

Sr. No.	Name of the College	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
1	College of Agriculture, Parbhani	183	29	169	277	210
2	College of Agri. Engg. & Tech. Parbhani	08	01	12	29	17
3	College of Food Technology, Parbhani	00	00	16	33	33
4	College of Community Science, Parbhani	--	01	01	01	01
5	College of Agriculture, Latur	137	47	118	201	201
6	College of Agriculture, Badnapur	06	06	06	06	06
7	V.D. College of Agri. Bio-technology, Latur	08	08	01	02	02
8	PG Institute of Agri. Business Mana. Chakur	33	24	44	66	66

Table: Yearwise and collegewise Ph.D. beneficiaries of these scholarships are as follows.

Sr. No.	Name of the College	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
1	College of Agriculture, Parbhani	17	31	43	61	56
2	College of Agri. Engg. & Tech. Parbhani	01	01	01	02	03
3	College of Food Technology, Parbhani	00	00	00	02	02
4	College of Community Science, Parbhani	--	--	1	3	3

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Number of PG and Ph.D. passed out students have been selected for scholarship / fellowship in other universities during last five years but unfortunately the data in this regard is readily not available with the university.

6.6.6.2 Extra and Co-Curricular Activities

Apart from academic, research and extension activities, the university is engaged in organization of sports / games / cultural activities / NSS / NCC. The details of sports / games and cultural activities organized by various colleges are given below;

Table: Inter College Sports Tournaments organized in the year 2018

Sr. No.	Name of the Events	Name of the Activities	Period	No. of Students Participated
1	Inter Collegiate Tournaments, Agri Biotech College, Nanded	Table Tennis (M)	24/08/2018 to 25/08/2018	65
2	Inter Collegiate Tournaments, Agri Biotech College, Nanded	Teble Tennis (W)	28/09/2018 to 29/09/20218	24
3	Inter Collegiate Tournaments, Agri. College, Dongarshelki	Kabaddi (M)	06/09/2018 to 07/09/2018	576
4	Inter Collegiate Tournaments, Agri. Biotech College, Nanded	Kabaddi (W)	14/10/2018	204
5	Inter Collegiate Tournaments, College Of Agriculture, Osmanabad	Chess	20/08/2018 to 21/08/2018	168
6	Inter Collegiate Tournaments, MIT Food Tech, Auragabad	Basketball (W)	21/10/2018	60
7	Inter Collegiate Tournaments, Netaji Subhashchandra College of Agriculture, Markhel	Volleyball (M)	30/08/2018 to 31/08/2018	516
8	Inter Collegiate Tournaments, College of Agriculture, Neharunagar	Kho-Kho (M)	30/09/2018 to 04/09/2018	216
9	Inter Collegiate Tournaments ,Rajiv Gandhi College of Agriculture, Parbhani	Handball (M)	12/10/2018	144

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Table: Inter College Sports Tournaments organized in the year 2019-20

Sr. No.	Name of the Events	Name of the Activities	Period	No. of Students Participated
1	Inter Collegiate Tournaments, College of Agriculture, Naigaon	Volleyball (W)	14/10/2018	120
2	Inter Collegiate Tournaments Agri Biotech College, Hatta	Table Tennis (M)	21/09/2019	80
3	Inter Collegiate Tournaments, Students Welfare Office, Parbhani	Table Tennis (W)	30/09/2019	36
4	Inter Collegiate Tournaments, MGM Food Technology, Aurangabad	Kabaddi (M)	18/09/2019 To 19/09/2019	576
5	Inter Collegiate Tournaments, Students Welfare Office, Parbhani	Kabaddi (W)	17/10/2019	180
6	Inter Collegiate Tournaments, Students Welfare Office, Parbhani	Kho-Kho (W)	03/10/2019	168
7	Inter Collegiate Tournaments, College of Agri Engg., Nehrunagar	Kho-Kho (M)	04/09/2019 To 05/09/2019	348
8	Inter Collegiate Tournaments, College of Agriculture, Neharunagar	Volleyball (M)	25/09/2019 To 26/09/2019	264
9	Inter Collegiate Tournaments, Students Welfare Office, Parbhani	Volleyball (W)	19/10/2019	120
10	Inter Collegiate Tournaments, Students Welfare Office, Parbhani	Athletics (M)	09/01/2020	60
11	Inter Collegiate Tournaments, Students Welfare Office, Parbhani	Athletics (W)	09/01/2020	45
12	Inter Collegiate Tournaments, Shri Shivaji College, Parbhani	Badminton (M)	23/12/2019	36
13	Inter Collegiate Tournaments, Students Welfare Office, Parbhani	Badminton (W)	25/08/2019	36
14	Inter Collegiate Tournaments, C.S.P.A. College of Agriculture, Ashti	Chess	28/09/2019 To 29/09/2019	224
15	Inter Collegiate Tournaments, Students Welfare Office, Parbhani	Basketball	14/09/2019 To 15/09/2019	60
16	Inter Collegiate Tournaments, College of Agriculture, Naigaon (Bazar)	Handball	10/09/2019 To 11/09/2019	96

Student Development

Table: Inter College Sports Tournaments organized in the year 2022-23

Sr. No.	Name of the Events	Name of the Activities	Period	No. of Students Participated
1	Inter Collegiate Tournaments, MGM College of Agriculture, Aurangabad	Table Tennis (M)	31/08/2022 to 04/08/2022	85
2	Inter Collegiate Tournaments, Students Welfare Office, Parbhani	Badminton (M)	17/08/2022 To 18/08/2022	105
3	Inter Collegiate Tournaments, Students Welfare Office, Parbhani	Basketball (M)	28/09/2022	72
4	Inter Collegiate Tournaments, College of Agriculture , Phulambri Aurangabad	Chess (M) & (W)	03/11/2022 to 04/11/2022	336
5	Inter Collegiate Tournaments, College of Agriculture, Alni Gadpati, Osmanabad	Kabaddi (M)	05/11/2022 to 6/11/2022	264
6	Inter Collegiate Tournaments, Aditya Food Tech., Beed	Kho-Kho,(M)	15/11/2022 to 16/11/2022	216
7	Inter Collegiate Tournaments, Students Welfare Office, Parbhani	Handball (M)	22/12/2022	48
8	Inter Collegiate Tournaments, Students Welfare Office, Parbhani	Athletics (M) & (W)	22/11/2022	68
9	Inter Collegiate Tournaments, Students Welfare Office, Parbhani	Kho-Kho,(W)	29/09/2022	108
10	Inter Collegiate Tournaments, Students Welfare Office, Parbhani	Table Tennis (W)	30/09/2022	10
11	Inter Collegiate Tournaments, Students Welfare Office, Parbhani	Badminton (W)	30/09/2022	40
12	Inter Collegiate Tournaments, Students Welfare Office, Parbhani	Basketball (W)	03/10/2022	48
13	Inter Collegiate Tournaments, Students Welfare Office, Parbhani	Volleyball (W)	21/10/2022	15
14	Inter Collegiate Tournaments, College Of Agriculture Naigaon (Bazar)	Volleyball (M)	19/11/2022 to 20/11/2022	252
15	Inter Collegiate Tournaments, College of Agriculture ,Phulambri Aurangabad	Kabaddi (W)	01/10/2022	72

Student Development

Table: Inter College Youth Festival Tournaments organized in the year 2018-19

Sr. No.	Name of the Events	Name of the Activities	Period	No. of Students Participated
1	Inter Collegiate Tournaments, Students Welfare Office, Parbhani	Poster Making	26/09/2018 to 28/09/2018	22
2	Inter Collegiate Tournaments, Students Welfare Office, Parbhani	Cartooning	26/09/2018 to 28/09/2018	30
3	Inter Collegiate Tournaments, Students Welfare Office, Parbhani	On the Spot Painting	26/09/2018 to 28/09/2018	30
4	Inter Collegiate Tournaments, Students Welfare Office, Parbhani	Collage	26/09/2018 to 28/09/2018	27
5	Inter Collegiate Tournaments, Students Welfare Office, Parbhani	Rangoli	26/09/2018 to 28/09/2018	29
6	Inter Collegiate Tournaments, Students Welfare Office, Parbhani	Clay Modeling	26/09/2018 to 28/09/2018	30
7	Inter Collegiate Tournaments, Students Welfare Office, Parbhani	Light Vocal	27/09/2018	18
8	Inter Collegiate Tournaments, Students Welfare Office, Parbhani	Group Song	27/09/2018	54
9	Inter Collegiate Tournaments, Students Welfare Office, Parbhani	Western Song	27/09/2018	03
10	Inter Collegiate Tournaments, Students Welfare Office, Parbhani	Solo Wadan	27/09/2018	06
11	Inter Collegiate Tournaments, College of Agriculture, Latur	Folk Dance	08/10/2019 to 09/10/2019	204
12	Inter Collegiate Tournaments, College of Agriculture, Latur	One Act Play	08/10/2019 to 09/10/2019	90
13	Inter Collegiate Tournaments, College of Agriculture, Latur	Skit	08/10/2019 to 09/10/2019	75
14	Inter Collegiate Tournaments, College of Agriculture, Latur	Mime	08/10/2019 to 09/10/2019	90
15	Inter Collegiate Tournaments, Students Welfare Office, Parbhani	Debat	08/10/2019 to 09/10/2019	14
16	Inter Collegiate Tournaments, Students Welfare Office, Parbhani	Elocution	08/10/2019 to 09/10/2019	15

Student Development

Sr. No.	Name of the Activities	No. of Students Participate	Period	No. of students participated
17	Inter Collegiate Tournaments, Students Welfare Office, Parbhani	Quiz	28/09/2018	60
18	Inter Collegiate Tournaments ,Students Welfare Office, Parbhani	Extempore	28/09/2018	14
19	Inter Collegiate Tournaments , College of Agriculture, Latur	Lavani	08/10/2018 to 09/10/2018	06
20	Inter Collegiate Tournaments, College of Agriculture, Latur	Mimicry	08/10/2018 to 09/10/2018	17

Table: Inter College Youth Festival Tournaments organized in the year 2019-20

Sr. No.	Name of the Activities	No. of Students Participate	Period	No. of students participated
1	Inter Collegiate Tournaments, Students Welfare Office, Parbhani	Poster Making	23/12/2019	36
2	Inter Collegiate Tournaments, Students Welfare Office, Parbhani	Cartooning	25/08/2019	36
3	Inter Collegiate Tournaments ,Students Welfare Office, Parbhani	On the Spot Painting	28/09/2019 To 29/09/2019	224
4	Inter Collegiate Tournaments, Students Welfare Office, Parbhani	Collage	14/09/2019 To 15/09/2019	60
5	Inter Collegiate Tournaments, Students Welfare Office, Parbhani	Rangoli	10/09/2019 To 11/09/2019	96
6	Inter Collegiate Tournaments, ,Students Welfare Office, Parbhani	Clay Modeling	31/08/2022 To 04/08/2022	85
7	Inter Collegiate Tournaments ,Students Welfare Office, Parbhani	Light Vocal	17/08/2022 To 18/08/2022	105
8	Inter Collegiate Tournaments, Students Welfare Office, Pabhani	Group Song	28/09/2022	72

Student Development

9	Inter Collegiate Tournaments ,Students Welfare Office, Parbhani	Western Song	03/11/2022 To 04/11/2022	336
10	Inter Collegiate Tournaments, Students Welfare Office, Parbhani	Solo Wadan	05/11/2022 to 06/11/2022	264
11	Inter Collegiate Tournaments, KSK College of Agriculture , Beed	Folk Dance	15/11/2022 to 16/11/2022	216
12	Inter Collegiate Tournaments ,KSK College of Agriculture , Beed	One Act Play	22/12/2022	48
13	Inter Collegiate Tournaments, KSK College of Agriculture , Beed	Skit	22/11/2022	68
14	Inter Collegiate Tournaments ,KSK College of Agriculture , Beed	Mime	29/09/2022	108
15	Inter Collegiate Tournaments, Students Welfare Office, Parbhani	Debat	30/09/2022	10
16	Inter Collegiate Tournaments, Students Welfare Office, Parbhani	Elocution	30/09/2022	40
17	Inter Collegiate Tournaments, Students Welfare Office, Parbhani	Quiz	03/10/2022	48
18	Inter Collegiate Tournaments, Students Welfare Office, Parbhani	Extempore	21/10/2022	15
19	Inter Collegiate Tournaments, KSK College of Agriculture , Beed	Lavani	19/11/2022 to 20/11/2022	252
20	Inter Collegiate Tournaments, KSK College of Agriculture , Beed	Mimicry	01/10/2022	72

Student Development

Inter College Youth Festival tournaments organized in the year 2022-23

Sr. No.	Name of the Events	Name of the Activities	Period	No. of Students Participated
1	Inter Collegiate Tournaments, Students Welfare Office, Parbhani	Poster Making	17/08/2022 To 20/08/2022	35
2	Inter Collegiate Tournaments ,Students Welfare Office, Parbhani	Cartooning	17/08/2022 To 20/08/2022	30
3	Inter Collegiate Tournaments ,Students Welfare Office, Parbhani	On the spot Painting	17/08/2022 To 20/08/2022	32
4	Inter Collegiate Tournaments Students Welfare Office, Parbhani	Collage	17/08/2022 To 20/08/2022	28
5	Inter Collegiate Tournaments, ,Students Welfare Office, Parbhani	Rangoli	17/08/2022 To 20/08/2022	32
6	Inter Collegiate Tournaments Students Welfare Office, Parbhani	Clay Modeling	17/08/2022 To 20/08/2022	30
7	Inter Collegiate Tournaments, College of Agriculture , Selu	Light Vocal	09/10/2022	09
8	Inter Collegiate Tournaments, College of Agriculture , Selu	Group Song	09/10/2022	42
9	Inter Collegiate Tournaments, College of Agriculture , Selu	Western Song	09/10/2022	04
10	Inter Collegiate Tournaments, College of Agriculture , Selu	Solo Wadan	09/10/2022	05
11	Inter Collegiate Tournaments , College of Agriculture , Selu	Folk Dance	09/10/2022	120
12	Inter Collegiate Tournaments , College of Agriculture , Selu	One Act Play	08/10/2022	45
13	Inter Collegiate Tournaments , College of Agriculture , Selu	Skit	08/10/2022	42
14	Inter Collegiate Tournaments, College of Agriculture , Selu	Mime	08/10/2022	48
15	Inter Collegiate Tournaments, Students Welfare Office, Parbhani	Debat	25/09/2022	12
16	Inter Collegiate Tournaments ,Students Welfare Office, Parbhani	Elocution	25/09/2022	09
17	Inter Collegiate Tournaments ,Students Welfare Office, Parbhani	Quiz	27/09/2022	45
18	Inter Collegiate Tournaments, ,Students Welfare Office, Parbhani	Extempore	25/09/2022	06
19	Inter Collegiate Tournaments, College of Agriculture , Selu	Lavani	09/10/2022	06
20	Inter Collegiate Tournaments, College of Agriculture , Selu	Mimicry	09/10/2022	08



Intercollege fine art competition



Intercollege Basket ball competition



Intercollege Badminton competition



Intercollege kho-kho competition

Participation of Students of VNMKV in Sports and Cultural activities

Students of this university has participated in ICAR and State Govt. organized various sports and cultural events viz., Agri – Unifest, Agri-sports, Krida-Mohotosav, Avishkar, Avhaan, Indradhanushya, the details are given below;

Table: Details of Maharashtra State Inter University Ashwamedh Tournaments

Sr. No.	Year	Name of the Organizer	Name of the Sports Activities	Period	No. of students participated
1.	2018-19	Mumbai University, Mumbai	Kabaddi	27/01/2019 To 01/02/2019	24
			M-12 F-12		12
			Kho Kho		
			M-12 F-		24
			Volleyball		
			M-12 F-12		12
			Basket ball		
			M-12 F-		04
Athletics- M-04					
2	2019-20	Punya Shlok Ahilyadevi Holkar Solapur University, Solapur	Kabaddi	26/12/2019 To 30/12/2019	24
			M-12 F-12		12
			Volleyball		24
			M-12 F-12		
			Basket ball M-Hand ball M-12		12
	12				
3	2020-21	COVID-19 Pandemic Period			
4	2021-22	COVID-19 Pandemic Period			
5.	2022-23	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	Kabaddi	02/12/2022 To 06/12/2022	24
			M-12 F-12		24
			Volleyball		
			M- F-12		24
			Basket ball		
			M-12 F-12		05
			Atheletics		
			M- F-		24
			Kho-Kho		
M-12 F-12					

Student Development

Table: Maharashtra State Inter University Indradhanushya Youth Festival Tournaments

Sr. No.	Year	Name of the Orgnizer	Name of the cultural activities	Period	No. of students participate
1	2018-19	Yashwantrao Chavan Mukt Vidyapeeth, Nashik	Folk Dance -10	07/12/20	46
			Group Song -06	18 to	
			Mime-06	11/12/20	
			Skit-06	18	
			One Act Play-09		
			Fine Art-04		
			Debet-03		
Quiz-02					
2	2019-20	Gondwana Vidyapeeth, Gadchiroli	Quiz-03	02/12/20	14
			Debet-02	19 to	
			Elocution-01	06/12/02	
			Fine Art-06	19	
			Team Manager-02		
3	2020-21	COVID-19 Pandemic Period			
4	2021-22	COVID-19 Pandemic Period			
5.	2022-23	Mahatma Phule Krishi Vidyapeeth, Rahuri	Folk Dance -10	05/11/20	34
			Fine Art-06	22 to	
			Debet-02	09/11/20	
			Quiz-03	22	
			Skit, Mime, One Act Play-11		
			Tema Manager-02		

Table: Maharashtra State Inter University Avishkar Research Festival

Sr. No	Year	Name of the Organizer	Name of Category	Period	No. of students participate
1.	2018-19	Gondwana University, Gadchiroli	Humanities, Languages & Fine Art	15/01/20	10
			Commerce, Management & Law	19 to	
			Agriculture &	18/01/20	

Student Development

			Animal Husbandry		
			Pure Science		
			Engineering & Technology		
			Medicine & Pharmacy		
2.	2019-20	University of Mumbai	Humanities, Languages & Fine Art	28/01/2020 to 31/01/2020	08
			Commerce, Management & Law		
			Agriculture & Animal Husbandry		
			Pure Science		
			Engineering & Technology		
			Medicine & Pharmacy		
3.	2020-21	COVID-19 Pandemic Period			
4.	2021-22	COVID-19 Pandemic Period			
5.	2022-23	Savitribai Phule Pune University, Pune	Humanities, Languages & Fine Art	12/01/2023 to 15/01/2023	15
			Commerce, Management & Law		
			Agriculture & Animal Husbandry		
			Pure Science		
			Engineering & Technology		
			Medicine & Pharmacy		

Student Development

ICAR AGRI – UNIFEST

Sr. No.	Year	Name of the Events	Name of the activities	Period	No. of students participate
1	2018-19	Sardar Krishi Nagar Agriculture University, Dantewada	Folk Dance	03/02/2019 To 07/02/2019	29
			One Act Play		
			Skit		
			Rangoli		
			Collage		
2	2019-20	Indiara Gandhi Krishi Vishwavidyalaya, Raipur	One Act Play	08/02/2020 To 12/02/2020	29
			Mime		
			Rangoli		
			Poster Making		
			Cartooning		
3	2020-21	COVID-19 Pandemic Period			
4	2021-22	COVID-19 Pandemic Period			
5	2022-23	University of Agricultural Sciences, Bangalore	Folk Dance	13/03/2023 To 17/03/2023	29
			Music		
			Theater-		
			Fine Art		
			Team Manager		

ICAR AGRI SPORT'S MEET

Sr. No.	Year	Name of the Events	Name of the activities	Period	No. of students participate
1	2018-19	Punjab Agriculture University, Ludhiana	Kabaddi	02/01/2019 9 To 05/01/2019 9	
			Volleyball		
			Kho-Kho		
			Athletics 1500 M		
			M- 05 W-02		
			Table Tennis		
			M-03 W-03		
			Badminton M-05		
			Team Manager-03		
2	2019-20	Sri Venkateshwara Veterinary	Kabaddi M-10	01/03/2020 0	44
			Volleyball W-09		

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		University, Tirupati	Kho-Kho W-11	To	
			Table Tennis	05/03/202	
			M-03 W-03	0	
			Athletics M-05		
			Team Manager - 03		
3	2020-21	COVID-19 Pandemic Period			
4	2021-22	COVID-19 Pandemic Period			
5	2022-23	Chaudhari	Kabaddi M-10	20/2/2023	
		Charansingh	Volleyball	To	
		Agricultural	M-08 W-10	24/02/202	
		Hariyana University, Hissar	Athletics M-03	3	
			Table Tennis		
			M-03 W-03		
			Badminton M-04		
			Team Manager - 03		

Awards in sports / cultural activities

During last five years university team has received various awards / medals in ICAR sponsored events i.e. agri unifest / agri sports. Similarly, university team has taken active participation in All India University (AIU) event as well as State Govt Sponsored events. The details are as follows.

Sr. No.	Year	Event	Organizer	Award
1	2018-19	ICAR Sports-Kabaddi	PAU, Ludhiana, Punjab	Gold medal
2	2018-19	ICAR Sports-Volleyball	PAU, Ludhiana, Punjab	Gold medal
3	2018-19	ICAR Sports-Running 1500m	PAU, Ludhiana, Punjab	Silver medal
4	2018-19	ICAR Agril Unifest-Folk dance	SK Nagar Agril University, Dantewada, Gujarat	Silver medal
5	2018-19	ICAR Agril Unifest-One Act Play	SK Nagar Agril University, Dantewada,	Gold medal

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			Gujarat	
6	2018-19	ICAR Agril Unifest-Collage	SK Nagar Agril University, Dantewada, Gujarat	Silver medal
7	2018-19	ICAR Agril Unifest-Skit	SK Nagar Agril University, Dantewada, Gujarat	Gold medal
8	2018-19	ICAR Agril Unifest-Rangoli	SK Nagar Agril University, Dantewada, Gujarat	Gold medal
9	2019-20	ICAR Agril Unifest-One Act Play	IGKV, Raipur, CG	Silver medal
10	2019-20	ICAR Agril Unifest-Mime	IGKV, Raipur, CG	Gold medal
11	2019-20	ICAR Agril Unifest-Rangoli	IGKV, Raipur, CG	Gold medal
12	2019-20	ICAR Agril Unifest-Poster Making	IGKV, Raipur, CG	Gold medal
13	2019-20	ICAR Agril Unifest-Catooning	IGKV, Raipur, CG	Silver medal
14	2019-20	ICAR Agril Sport-Kabaddi	Sri Venkateshwara Veterinary University Tirupati	Silver medal
15	2021-22	AIU (West) – Wood Ball	Jagannath University, Jaipur, Rajasthan	Silver medal
16	2022-23	ICAR Agril Sports-Vollyball	CCS, Haryana	Gold medal
17	2022-23	ICAR Agril Unifest-Poster	UAS, Banglore	Gold medal
18	2022-23	ICAR Agril Unifest-Collage	UAS, Banglore	Bronze medal
19	2022-23	ICAR Agril Unifest-Cartooning	UAS, Banglore	Gold medal
20	2022-23	Indra Dhanushya – Quiz	MPKV, Rahuri	Bronze medal
21	2022-23	Indra Dhanushya – Mime	MPKV, Rahuri	Silver medal
22	2022-23	Indra Dhanushya – Cartooning	MPKV, Rahuri	Silver medal
23	2022-23	AIU (West)– Mehendi	Ganpat University, Mehasana, Gujarat	Gold medal
24	2022-23	AIU (National)- Mehendi	Jain University, Bengaluru	Bronze medal



Gold Medal (AIU- National) in Mehendi at Jain University Bengaluru (2022-23)



Silver Medal (Indra Dhanushya) in Mime at MPKV, Rahuri (2022-23)



Gold Medal (ICAR Sports) in Volleyball at CCS, Hissar, Haryana (2022-23)



Silver Medal (ICAR Sports) in Kabaddi at Tirupati (2021-22)

Student Development

National Service Scheme

NSS was formally launched on 24th September, 1969, the birth century year of the Father of the Nation. The motto of NSS is “Not Me But You”. The National Service Scheme (NSS) of students sponsored by the Ministry of Human Resources Development, Department of Youth Affairs and Sports, Government of India is in operation at the Colleges since 1987. The NSS Unit was started in earlier known as Marathwada Krishi Vidyapeeth since 1972. During the Same year, NSS unit was started at college of Agriculture, Parbhani. Initially the NSS unit was provided with 50 volunteers and one Programme officer. Today 52 units comprising 3100 students and 52 programme officers actively involved in NSS activities.

Table: details of volunteer allotment to 52 units are as follows;

Sr. No.	Name of the College	Student allotted to regular camp	Student allotted to special camp
1	Aditya C.O Biotech, Beed	50	25
2	Aditya C.O Engin & Tech. Beed	50	25
3	Aditya College of Food Tech. Beed	50	25
4	COA Business Management Latur	50	25
5	COA Agril. Biotechnology, Hatta	50	25
6	COA Engineering & Tech, Parbhani	100	50
7	College of Agriculture, Ambajogai	50	25
8	College of Agriculture, Badnapur	70	35
9	COA, Dongarshelki tanda, Udgir	50	25
10	College of Agriculture, Golegaon	50	25
11	College of Agriculture, Latur	120	60
12	College of Agriculture, Naigaon (Bz)	50	25
13	College of Agriculture, Osmanabad	50	25
14	College of Agriculture, Pathri	50	25
15	College of Agriculture, Selu	70	35
16	College of Agriculture, Tondapur	50	25
17	College of Agriculture, Parbhani	210	105
18	College of Community Science, Parbhnai	50	25
19	College of Food Technology Ashti	50	25
20	College of Food Technology Naigoan(Bz)	50	25
21	College of Food Technology, Parbhani	100	50
22	College of Horticulture, Parbhani	50	25
23	College of Agriculture, Kanchanwadi	70	35
24	College of Agriculture, Dahegaon	50	25
25	College of Agriculture, Pathri Phulambri	50	25
26	College of Food Technology Lodga, Latur	50	25
27	MIP College of Food Tech. Aundha (Na)	50	25
28	College of Agriculture Biotech., Pokharni	50	25
29	College of Agril., Gandheli, Aurangabad	50	25

Student Development

30	MIT College of Food Tech., Aurangabad	50	25
31	MSSM, College of Agriculture, Kharpudi	50	25
32	N.S.B. College of Agriculture, Markhel	70	35
33	Queens College of Food Tech. Aurangabad	50	25
34	Rajiv Gandhi College of Agril, Parbhani	80	40
35	Rajiv Gandhi College of Food Tech. Parbhani	80	40
36	Rangnath Maharaj College of Agricultre, Nava	50	25
37	S.P. Gramin College of A.E. & Tech. Nehrunagar	50	25
38	Shri. Choturam College of Agril. Engg. Lodga	50	25
39	SSJP, College of Agriculture, Alani	50	25
40	V.N. Gramin College of Agril, Nehrunagar	50	25
41	V.D. College of Agriculture Biotechnology, Latur	50	25
42	College of Food Tech. Georai tanda Auragnabad	50	25
43	Ambadas Warpudkar College of Agriculture, Warpud	50	25
44	Sau KSK College of Agriculture, Beed	50	25
45	Sau KSK College of Food Tech. Beed	50	25
46	CSFA College of Agriculture, Ashti, Beed	50	25
47	MGM College of Agriculture Bio-technology, Gandheli	50	25
48	MGM College of Food Tech. Aurangabad	50	25
49	College of Agri.,Georai Tanda,Aurangabad	50	25
50	Aditya Agricultue College Beed	50	25
51	College of Agriculture, Khandala	50	25
52	College of Agril Bio-tech., Georai tand, Aurangabad	50	25

The activities of NSS unit are as.

- 1) Regular activity of NSS under which the volunteers have to complete 240 working hours during two years of registration period.
- 2) Special Camp Programme of NSS under which the volunteers are kept in a village for 7 days to participate in the programme on literacy, health, sanitation, construction of rural roads, social activities etc.

Awards to NSS volunteers and programme officers

Government of Maharashtra has conferred best volunteer's award, best programme officer award, best NSS unit award to the university. The details are as given below.

Student Development

Sr. No.	Year	Name of the student / programme officer	Award
1	2018-19	Dr. Sanjay Narayan Pawar, Programme Officer	Best Programme Officer
2	2018-19	Shri. Vishal Dashrathrao Kalbande, Volunteer	Best Volunter
3	2019-20	Dr. Papita Hiranmanji Gaurkhede, Programme Officer	Best Programme Officer
4	2019-20	Miss. Swapnaja Anilrao Khotare, Volunteer	Best Volunter
5	2020-21	Miss. Siddhi Bharatrao Desai, Volunteer	Best Volunter



Best NSS Programme Officers and Best Volunteer Award



Startup Programme – Heartfulness Campus

शुक्रवार दि. १८ नोव्हेंबर २०२२ **गोदातीर समाचार**

नेहमी आनंदी राहण्याची कला अवगत करा-कुलगुरू डॉ.इन्द्र मणि वनामकृवित चार दिवसीय हार्टफुलनेस शिबिरास सुरूवात

परंपरी/प्रतिनिधी
 आज प्रत्येकजण तणावात जीवन जगत असून जीवनातील आनंद हिराबळा आहे. प्रत्येक व्यक्तीच्या व्यक्तिगत जीवनात आनंदचे फारच कमी क्षण येतात, जर आपण इतरांच्या आनंदात सहभागी झालो तर आपण जीवनात जगत फळ आनंदी राहू. मनस्थिती चांगली असेल तर हातून चांगले कार्ये घडते. आनंदी व्यक्तीच जीवनात जगूच असे यात प्रामाण्य करू शकतो. कोणत्याही परिस्थितीत आनंदी राहण्याची कला प्रत्येकांनी अवगत केली पाहिजे. असे प्रतिपादन कुलगुरू डॉ.इन्द्र मणि यांनी केले.

वसंतराव मोर्के मराठवाडा कृषि विद्यापीठ आणि हार्टफुलनेस संस्था यांच्या संयुक्त विद्यमाने विद्यापीठातील राष्ट्रीय सेवा योजना आणि राष्ट्रीय छात्रसेना यांच्या माध्यमातून विविध महाविद्यालयातील विद्यार्थ्यांकरिता दि. १६ ते १९ नोव्हेंबर दरम्यान आयोजित चार दिवसीय हार्टफुलनेस शिबिराच्या उद्घाटन प्रसंगी अल्पक्षीय भाषणात ते बोलत होते. या शिबिराचे उद्घाटन सुध्दानी (दि.१६) झाले. अध्यक्षस्थानी कुलगुरू डॉ.इन्द्र मणि हे होते. स्वी विल्डी येथील भारतीय कृषि अनुसंधान परिषदेचे उपमहा संचालक (शिक्षण) डॉ.अर.सी. अडवाल हे अनिस्टाईन माध्यममधून उपस्थित होते. म्हातरीठावर शिक्षण संचालक डॉ.धर्मराज गोखले, हार्टफुलनेस संस्थेच्या समन्वयक प्रमुख प्रशिक्षक नेत्रोज तण डॉ.अंजली नित्य, प्राचार्य डॉ.उदय खोडके, प्राचार्य डॉ.राजेश कीसलगर, विभाग प्रमुख डॉ.डॉ.एस.पेरके, डॉ.माधुरी कुलकर्णी, आपोजक विद्यार्थी कल्याण अधिकारी डॉ.संजय मोरे आदींची प्रमुख उपस्थिती होती.

अल्पक्षीय भाषणात कुलगुरू डॉ.मणि पुढे म्हणाले की, प्रत्येकातही आनंद व्यक्त केला पाहिजे. प्रत्येकाचा सन्मान केला पाहिजे. आज तरुणपिढी तणावाखाली बाबत आहे. त्यांना तणावमुक्त राहण्याकरिता हार्टफुलनेस सारख्या शिबिराचा निर्धारित लाभ होईल, असे मत त्यांनी व्यक्त केले.

डॉ.आर.सी.अडवाल आपल्या मार्गदर्शनात म्हणाले की, महाविद्यालयीन विद्यार्थी अनेक कारणांमुळे तणावाखाली आहे. त्यांना तणावमुक्त जीवन जगण्याची कला शिकविण्याकरिता भारतीय कृषि अनुसंधान परिषदेने हार्टफुलनेस संस्थेसोबत सामंजस्य करण केला असून योग आणि ध्यान या विषयावर तीन आठवडे कातावयीचा अनिवार्य पावाभूत अभ्यासक्रम नवीन कृषि अभ्यासक्रमात समाविष्ट करण्यात आला आहे. देशातील सर्व कृषि विद्यापीठे, संगोपन केंद्रे, कृषि विज्ञान केंद्रे आदीतील प्राध्यापक, शास्त्रज्ञ आणि विद्यार्थी यांना तणावमुक्त करून आनंदी जीवनकाळात प्रयत्न करण्यात येत आहे.

मुख्य प्रशिक्षक डॉ.नित्य यांनी शिबिराबाबत माहिती दिली तर हार्टफुलनेस संस्थेच्या स्वयंसेवकांनी विविध विषयावर मार्गदर्शन केले. प्रास्ताविक डॉ.सचिन मोरे यांनी केले. सुखसचालन डॉ.रविंद्र शिंदे यांनी केले तर आचार डॉ.प्रविण घाटगे यांनी मानले.

Startup Programme – Heartfulness Campus



Celebration of National Yoga Day

National Cadet Corps (NCC) Unit

Existence and functioning

The NCC unit of Collage of Agriculture, Parbhani is established in 1969 to develop character, comradeship, discipline, leadership and secular outlook in the students. This unit is under 52 MAH, BN, NCC, Nanded. The motto of NCC is 'Unity and Discipline'. The unit has strength of 108 cadets. An ANO (Associate NCC Officer) to the rank of honorary lieutenant is looking the various activities of NCC. 'B' certificate and 'C' certificate examinations are conducted annually. A cadet clearing these exams in 'A' or 'B' grade have good opportunity for various jobs in security forces. A senior division (SD) cadet stay in NCC for a period of 3 years.

Objectives of NCC

- Reach out the maximum youth through various institutions.
- Make NCC as an important part of the society.
- Teach positive thinking and attitude to the youths.
- Become a main source of national integration by making NCC as one of the greatest cohesive force of our national irrespective of any caste, creed, religion or region.
- Mould the youth of the entire country into united, secular and disciplined citizens of nation.

Student Development

- Provide an ideal platform for the youth to showcase their potential in nation building.
- Instill sprit of secularism and united India by organizing National Integration Camps all over the country.

List of NCC Officers of the university worked in the unit since establishment.

S. No.	Rank	Name of the NCC Officer	Time period
1	Care taker	Prof. Jeurkar	--
2	Captain	Dr. D.V. Dahiphale	--
3	Care Taker	Dr. S.P. Mehetre	1999 to 2001
4	Lieutenant	Dr. H.V. Kalpande	2001 to 2013
5	Lieutenant	Dr. A.B. Bagade	2013 to 2019
6	Lieutenant	Dr. J.D. Deshmukh	2019 to till date

List of Seniors Under Officers of NCC unit during the year from 2018-19 to 2022-23.

Sr. No.	Name of the senior Under Officers	Year
1	Vrushabh Ranveer	2023
2	Akshay Gutte	2022
3	Dnyaneshwar Pawar	2021
4	Yogesh Thombre	2020
5	Hanuman Mane	2019
6	Bhosale Bhagwat	2018

List of NCC activities organized and students participation during the year for 2018-19 to 2022-23.

Sr. No.	Year	Event	Duration	No. of Participants
1	2018-19	Combined Annual Training Camp (CATC), Nanded	22 June to 01 July 2018	19
		Combined Annual Training Camp (CATC), Parbhani	01 Dec. to 10 Dec. 2018	20
		Combined Annual Training Camp (CATC), Parbhani	11 Dec. to 20 Dec. 2018.	43
		Ek Bharat Shreshth Bharat-I Camp, Nashik	14 Nov. 2018 to 23 Nov. 2018	04
		NCC Day (Clean Campus Mission)	23 Nov., 2018	40

Student Development

2	2019-20	Cleaning Campaign	17 January 2020	42
		Combined Annual Training Camp (CATC), Mugat	13 th Sept. 2019 to 22 nd September 2019	10
		Combined Annual Training Camp (CATC), Mugat	23 th Sept. 2019 to 02 nd Oct. 2019	19
		International Yoga Day	21 June, 2019	92
		Green India- Clean India Programme	02 October 2019	31
		Combined Annual Training Camp (CATC), Mugat	28 th November 2019 to 07 th December 2019	20
		NCC Day (Domestic Waste Management Programme)	23 Nov., 2019	60
		Tree Plantation Programme	1 July 2019	77
		Army Attachment Camp, Ahmednagar	01 st Jan. 2020 to 10 th Jan. 2020	03
		Motivational Lecture (Online) by Pandit Rejitwad, Police Inspector	30 September 2020	102
		Krishi Shiksha Diwas	03 December 2020	84
3	2020-21	COVID-19		
4	2021-22	World Environment Day	05 June 2021	53
		Tree Plantation Programme	1 July 2021	105
		Fit India Freedom Run	02 October 2021	94
		NCC Day (Swaccha Bharat Abhiyan)	24 Nov., 2021	60
		Mountaineering Courses	2021	02
		Shivaji Trail Trek - 2021 (STT - 2021) Kolhapur	27 Nov 2021 to 07 Dec 2021	02
		Combined Annual Training Camp (CATC), Parbhani	04/12/2021 to 10/12/2021	53
5	2022-23	Cleaning and Mulching of Trees	31 March 2022	76
		Punit Sagar Abhiyan, Pingli	08 April 2022	26
		Discipline Committee in Convocation	22 April 2022	68
		Combined Annual Training Camp (CATC), Nanded	12 June to 21 June 2022	61
		Tree Plantation Programme	1 July 2022	105
		Run for Unity Programme	31 October 2022	102
		NCC Day (Blood Donation Programme)	26 Nov., 2022	69
		Gen. Bipin Rawat Shahid Din	08 Dec. 2022	102
		Cycle Mahaparikrma Rally	04-05 December 2022	82

Student Development

Students participated in various national and state level training camps to acquire NCC 'B' and 'C' certificate organized by 52 MAH BN

After successful completion of annual training camps at National and State level, the students appeared for respective NCC B and C certificate written examination. Details of number of students appeared and number of students passed during the year 2018-19 to 2022-23 are as follows:

Students appeared for NCC "B" Certificate

S.No.	Year	No. of cadets appeared	No. of cadets passed	Passing percentage
1	2018-19	25	24	96.00
2	2019-20	36	32	88.88
3	2020-21	48	44	91.66
4	2021-22	25	22	88.00
5	2022-23	36	result awaited	

Students appeared for NCC "C" Certificate

S.No.	Year	No. of cadets appeared	No. of cadets passed	Passing percentage
1	2018-19	44	42	95.45
2	2019-20	23	21	91.30
3	2020-21	36	33	91.66
4	2021-22	44	41	93.18
5	2022-23	23	result awaited	



CATC NCC CAMP, College of Agriculture Parbhani



Firing Practice at CATC NCC CAMP, College of Agriculture Parbhani



CATC NCC CAMP, College of Agriculture Parbhani



Blood Donation

6.6.6.3 Health Facilities

University has its own operated and managed Health Centre at the main campus. It is easily accessible to students as well as faculty members. In all 10 permanent staff were recruited to the health centre. The built-up area of this health centre is around 355 sq.m. The objectives of the health centre are as follows.

Objectives

- Providing health services to students, employees and employee's dependent family members.
- Patient counseling for disease management.
- Medical checkup and issuing medical fitness certificates to UG, PG and Ph.D. students.
- Organizing camps for detection and follow up of diabetes mellitus and blood pressure.
- Scrutinizing medical reimbursement bill of employees.
- Providing emergency medical services during inter college sports tournament, inter University Sports tournament, inter college cultural events, inter university cultural events, *kharif* farmers ralley, *rabi* farmers ralley etc.
- Recording electro cardiogram of patients by ECG machine.
- To check blood glucose level by glucometer.
- Use of nebulizer for needy bronchial asthma.
- Organize blood testing camp on every 2nd & 4th Friday of month for detection of diabetes, BP and anemia etc.

Staff position in the health centre is as follows.

S.No.	Designation	No. of posts
1	Medical Officer (MBBS DCH)	01
2	Honorary Medical Officer (MBBS / BAMS)	02
3	Compounder (B Pharm)	01
4	Dresser (vacant post)	01
5	Permanent Labor	02
6	Staff Nurse (ANM) (Contractual Basis)	01
7	Office Assistant (Contractual Basis)	01
8	Jr.Clerk (Deputation)	01

Student Development

The duties and responsibility of the medical officer, compunder, staff nurse, etc. are as follows.

Medical Officer

- Providing health services to students, employees & their dependent family members.
- Patient counseling for disease.
- Medical checkup and issuing medical fitness certificates to UG, PG and Ph.D. students.
- Organize diabetes, blood pressure checkup camp under national non-communicable disease control program.
- Supervision & maintenance of office records.
- Scrutinizing medical reimbursement bills of employees.
- Providing emergency medical services.

Compounder

- Dispensing of medicine to patient.
- Maintain daily expenditure of medicine.
- Recording electro cardiogram of patient through ECG machine.
- To check blood glucose level by glucometer.
- Assisting during student medical checkup and issuing medical fitness certificates.

Staff Nurse

- To check blood pressure.
- To check blood glucose level.
- Recording electro cardiogram of female patient.
- Administration of injection to patient.
- Prepare national non-communicable disease Control program reposts.

Jr. Clerk

- Maintain Inward/Outward register.
- Correspondence letters.
- Maintenance of office records.



Electro Cardiogram



Machine Nebulizer



Glucometer



Blood testing on every 2nd & 4th Friday

Special activities

Health centre organize regular medical checkup camps for university employee and their dependent family members. Special camps were regularly organized at the beginning of every semester to the UG, PG and Ph.D. students to issue the medical fitness certificates. These camps were occasionally organized to issue the fitness certificate of students taking participation in sports activities. On every 2nd and 4th Friday of the month health centre actively organize blood testing camp with the help of district civil hospital. Students, staff and staff dependent family members regularly visit university health centre to monitor and cure their health problem. During last five years the number of patients visited to the health centre is as follows.

Student Development

Sr. No.	Month	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
1.	April	343	322	198	326	255
2.	May	336	242	182	153	217
3.	June	342	303	214	197	294
4.	July	487	555	272	222	470
5.	August	435	440	195	231	443
6.	September	433	503	241	246	411
7.	October	508	484	267	267	256
8.	November	366	605	230	232	453
9.	December	427	508	227	362	408
10.	January	462	512	214	524	452
11.	February	418	487	265	259	490
12.	March	381	356	284	330	304
Total Patient in Year		4938	5317	2789	3349	4453

Health insurance

Health insurance scheme is provided to each student admitted in the college. The name of the health insurance scheme is “Students Group Accident Insurance Policy (YUVA Raksha)”. A premium of Rs.100/- including 18% GST was yearly paid to The Oriental Insurance Company Ltd., Thane Division Office, Thane (West) Maharashtra. The company assures sum insured of Rs. 2.00 lakh in case of accident to UG, PG and Ph.D. student.

6.6.6.4 Sports and Cultural Facilities

Sports facilities

University level outdoor and indoor game facilities viz. Kho-Kho, Kabaddi, Volleyball, Basketball, Handball, Badminton, Table tennis, Cricket, Chess, Carom, Athletics, etc. are available at Student Welfare Office, VNMKV, Parbhani. Similarly all the colleges are also having some of these facilities at the disposal of students at college level.

Student Development

Sports facilities available at Student Welfare Office, VNMKV, Parbhani.

Sr.No.	Sports, Games and cultural facilities	Unit
1	Gymnasium	1
2	Badminton court	2
3	Table tennis	2
4	Running track (400 m 1 x 10 lane)	1
5	Basket Ball courts with flood lights	2
6	Volleyball grounds with flood lights	4
7	Kabaddi	4
8	Hand Ball Ground	1
9	Kho-Kho ground	4
10	Auditorium	1

Student Development

Table: Outdoor and indoor facilities available at colleges.

Sr. No.	Name of the College	Kho-kho	Kabbadi	Vollyball	Handball	Basketball	Badmentain	Tableteins	Cricket	Atheletics	Chees	Carrom
1	COA, Parbhani	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes	Yes
2	COAET, Parbhani	Yes	Yes	Yes	No	No	No	No	No	No	Yes	Yes
3	COFT, Parbhani	Facilities available at Student Welfare Office were utilized										
4	CCS, Parbhani	Facilities available at Student Welfare Office were utilized										
5	COH, Parbhani	Facilities available at Student Welfare Office were utilized										
6	COA, Ambajogai	Yes	Yes	Yes	No	No	No	Yes	Yes	No	Yes	Yes
7	COA, Osmanabad	Yes	Yes	Yes	No	No	No	No	Yes	No	Yes	Yes
8	COA, Latur	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
9	COA, Badnapur											
10	COA, Golegaon	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes	Yes
11	VDCOABT., Latur	Yes	Yes	Yes	No	No	Yes	Yes	Yes	No	Yes	Yes
12	PG Institute ABM, Chakur	Yes	Yes	Yes	No	No	No	No		No	Yes	Yes

Gymnasium facilities

At main campus separate gymnasium is available for boys and girls students at Student Welfare Office and respective girls hostel. The opening and closing timing of gymnasium is 5.30 to 8.00 and 16.00 to 19.00. Around 100 boys students and 40 girls students regularly attend the gymnasium. Apart from this, each college is having gymnasium facilities at college level.

Cultural facilities

All constituent colleges of the university are having auditorium facilities to empower student leaders, to explore, to celebrate and to educate them about the diversity among them. Colleges offer inclusive and reflective space, multicultural programming and support services that encourage positive interaction, academic persistence and growth among students, faculty and staff. These auditoriums were used to celebrate all cultural activities, birth anniversaries of noble laureates, idol persons, freshers welcome, farewell, etc. These auditorium is provided with comfortable individual seating arrangements on staired flooring pattern, dias, podium, sound amplifier, speakers, mikes, LCD projector with screen, magnetic ink board and window curtains. The capacity of main auditorium and college level auditorium are given below.

Sr. No.	Name of the College	Seating capacity
1	Student Welfare Office, Parbhani	2000
2	College of Agriculture, Parbhani	675
3	College of Agri. Engg. & Tech. Parbhani	200
4	College of Food Technology, Parbhani	100
5	College of Community Science, Parbhani	200
6	College of Horticulture, Parbhani	100
7	College of Agriculture, Ambajogai	100
8	College of Agriculture, Osmanabad	100
9	College of Agriculture, Latur	140
10	College of Agriculture, Badnapur	100
11	College of Agriculture, Golegaon	250
12	V.D. College of Agri. Bio-tech., Latur	--
13	PG Institute ABM, Chakur	200



Auditorium at College of Agriculture, VNMKV

6.6.6.5 Student Counselling and Placement Cell

When a world become a global village, it is necessary to explore the best employment opportunities at state, national and globe level. For this purpose, the university has given more emphasis for students counselling and placement activities. In this direction, all the colleges has established student counselling and placement cell. These cells has strengthened the need of college students for their placements in various national and international reputed institutions and organisations. These cells are headed by Associate Dean & Principal of respective colleges.

These Cells are actively engaged in scheduling lectures for ICAR, MCAER, examinations for JRF, SRF, ARS and other competititve examinations like UPSC, MPSC, Banks, State Agriculture Examination, etc. These Cells have organized various motivational lectures for personality development, lectures of eminent scientists, etc. They have also conducted various test series and mock interviews for preparation of ICAR-SRF, JRF examination, MCAER and other competitive examination. These cells are actively involved in holding campus interviews by contacting corporate companies, banks, agricultural

Student Development

companies and related institutes. These cells are also involved in communicating various job opportunities to the students by organizing various job awareness camps.

Objectives

- To built and maintain good relations with the industry, inviting industries / organizations for campus interviews, getting feedback on students' performance, etc.
- To enable the participants to develop their inter-personal skills, team management and leadership qualities.
- To develop all round personality with a mature outlook to function effectively in different circumstances.
- To take part effectively in various selection procedures adopted by the recruiters.

Responsibilities of placement cell

Connecting students with job opportunities: The placement cell is responsible for connecting students with job opportunities that match their skills, interests, and career goals. This involves developing relationships with employers and keeping abreast of job openings in various industries.

Providing career guidance and counseling: The placement cell provides career guidance and counseling to help students make informed career decisions. This includes helping students identify their strengths and interests, exploring different career paths and developing job search skills.

Preparing students for interviews : The placement cell provides training and support to help students prepare for job interviews. This includes conducting mock interviews, providing feedback on resumes and cover letters, and offering advice on interview techniques and etiquette.

Organizing job fairs and campus recruitment drives : The placement cell is organizing job fairs and campus recruitment drives, where companies come to the college to interview and hire students. This provides students with an opportunity to interact with potential employers and explore different career options.

Facilitating internships and industrial visits : The placement cell helps students to secure internships and facilitates industrial visits. Which provide students a hands-on experience in their chosen field. This helps students to gain practical experience and make informed career decisions.

Student Development

Facilities

- The Cell has a well-equipped hall for conducting interviews / group discussion.
- Computer with internet facility to serve the students/staff better.
- The establishment of library is in progress for both the students and the staff members.
- Books for personal growth (self-confidence, choosing career).

Details of placement during last five years.

Sr. No.	Name of the College	Year				
		2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
1	College of Agriculture, Parbhani	206	282	174	189	154
2	College of Agri. Engg. & Tech. Parbhani (UG)	12	09	10	08	06
3	College of Agri. Engg. & Tech. Parbhani (PG)	06	08	02	12	--
4	College of Agri. Engg. & Tech. Parbhani (Ph.D.)	05	06	05	05	--
5	College of Food Technology, Parbhani (UG)	16	26	14	21	08
6	College of Food Technology, Parbhani (PG)	10	06	05	01	--
7	College of Food Technology, Parbhani (Ph.D.)	01	02	02	04	--
8	College of Horticulture, Parbhani	21	21	19	48	..
9	College of Agriculture, Ambajogai	02	02	03	03	03
10	College of Agriculture, Osmanabad	16	15	12	13	12
11	College of Agriculture, Latur (UG)	45	82	47	73	--
12	College of Agriculture, Latur (PG)	92	90	88	93	--
13	College of Agriculture, Badnapur					
14	College of Agriculture, Golegaon	15	12	09	07	11
15	V.D. College of Agri. Bio-tech., Latur (UG)	03	06	01	02	02
16	V.D. College of Agri. Bio-tech., Latur (PG)	11	01	06	03	02
17	PG Institute ABM, Chakur	--	--	--	--	--

Student Development

During campus interview minimum salary received by the candidate was Rs.3.00 lakh and maximum salary was Rs. 8.00 lakh per year. Agro based industries, Banks, NGOs, Private Agriculture and allied Colleges, Nursery are the major requireture.

Mode and Mechanism of Counselling

The mechanism of counseling at it college level varies based on the needs of the student and the type of counseling being provided. Some common mechanisms of counseling include :

Individual Counseling : The student advisory system is adopted for individual student counseling. Every teaching faculty member acts as ‘Advisor’ for 20 UG students and 2 PG students. Advisory works as local parent for advisee students during their college duration. In this mode of counseling, a student meets one-on-one with an advisor / counselor to discuss their concerns, feelings, and problems. The counselor listens actively, provides support and helps the student develop strategies to cope with their challenges.

Group Counseling : Group counseling involves bringing together a small group of students who share common issues or concerns e.g. RAWE, ELM, NSS and NCC. The group is led by a counselor/ programme officer who facilitates discussions and helps group members learn from each other's experiences. The guest/resource personnel lectures and interactions are organized on the eve of celebration of birth/death anniversaries of national heroes and various national and international days every month.

Career Counseling : This type of counseling focuses on helping students, explores their career goals and interests. Career counselors provide guidance on academic and career planning, job search strategies and resume building. The motivational lectures, training programmes and workshops on soft skills, entrepreneurship and personality development are regularly organized. (There is separate Placement Cell at College & University level)

Academic Counseling : Academic counseling is geared towards helping students to improve their academic performance. Academic counselor provides guidance on course selection, study skills, time management and academic planning. The ICAR-JRF/SRF/ MCAER/NET lectures series were conducted in online and offline mode for guiding students.

Crisis Counseling : Crisis counseling is provided in response to a traumatic event or crisis. This type of counseling helps students to cope with the immediate aftermath of a crisis and provides support for ongoing recovery.

6.6.6.6 Disabled Friendly Facilities

In main campus of university and its 12 constituent colleges *viz.*, College of Agriculture, Parbhani, College of Agril. Engg & Tech. Parbhani, College of Food Technology, Parbhani, College of Horticulture, Parbhani, College of Community Science, Parbhani, College of Agriculture, Osmanabad, College of Agriculture, Golegaon, College of Agriculture, Badnapur, College of Agriculture, Ambajogai, College of Agriculture, Latur, PG Institute College of Agril. Business Management, Chakur, VD College of Agril. Bio-technology, Latur special disabled friendly facilities were created for differently abled students. These facilities are as follows;

1. Ramp and railing
2. Wheel chair
3. Separate wash room
4. Separate rest room
5. Special sitting arrangements for examination
6. Special sitting arrangements for computer and internet
7. Reserve seats in library
8. Special reading room in library
9. Counsiling

As per the Govt. resolution of Maharashtra extra 30 minute time is given during the semester-end-theory and practical examinations to the disabled students. In few cases, rider facility (scribe / writer) is provided to the disable students if required.

In the University main campus, College of Community Science has been running Laboratory Pre-Primary school since 1977 to give training to UG & PG students in the areas of Early Child Care, Development and Education and in allied courses. In order to have inclusive child development, one section for developmentally subnormal Children (DSC section) was started in the year 2009-10 under ICAR funded Experiential Learning & Hands on Training (EL-HT) Human Development & Family Studies ambitious Project. The facilities/infrastructure available in the Laboratory are Physiotherapy equipments, wheel chair, crutches, bed cycle, pulley with cord, material for visually challenged students, walker for orthopedically challenged students, stimulatory multi-sensorial learning material, high-tech student friendly classrooms, furniture, ramp and railing. Developmental assessment of

Student Development

such children is carried out in Child Guidance and Family Counselling Clinic to intervene at right time as a corrective measure.

The College of Community Science, Dept of Human Development & Family Studies operate the Child Guidance and Family Counselling Clinic since the year 1992. So far more than 25,000 children and adults having different disorders and disabilities were assessed in the clinic and more than 7.00 lakhs revenue has generated from this activity.



Ramp



Wheel chair





6.6.7 Infrastructure

6.6.7.1 Physical Facilities Including Administrative Building and Lands

The infrastructure facilities play an important role in organization of the University's mandatory activities i.e. teaching, research and extension education. The university has well established administrative building at university head quarter which having various offices Viz, Vice Chancellor Office, Registrar Office, University Comptroller Office, Central Education and Examination Cell, Director of Research Office, Director of Extension Office, Committee Hall No.17 and 18, Meeting Hall Vice-chancellor and Seminar hall at Director of Research Office, University Canteen, and Vehicle Drivers Room. The university campus has Director of Instruction and Dean Office, Student Welfare office, Central University Library, University Gymnasium, Big Convocation Hall (capacity 2000+), University Play Ground with Indore and outdoor facility, Guest House, Scientist Home, International Student Hostel, Farmers House, and University Staff Quarters, staff and Student Health Center. This university headquarter has total land holding is 3500 ha which is allotted to various research schemes, departments and central farm. This University has 12 constituent colleges five at university head quarter and seven at different location under university jurisdiction which having separate buildings and campus it includes lecture halls, seminar hall, well equipped laboratories for different discipline, library, play ground, boys and girls hostels, staff quarter etc. The details of infrastructure facilities are described here under.



University Administrative Building

6.6.7.1.1 Building and Infrastructure

The University has made adequate efforts to develop the required infrastructure facilities at central and college campuses. Total 12 constituent colleges are working in university in the disciplines of Agriculture, Horticulture, Agricultural Engineering, Food Technology, Community Science, Agricultural Business Management and Biotechnology. Five colleges are established in central campus while remaining seven colleges are outside the campus under its jurisdiction. Each college has its administrative office, college building, experimental farm, lecture halls, seminar hall, well equipped laboratories, and library with internet facilities, hostels and residential quarters with good connectivity of roads, irrigation facility, electricity and water supply and big auditorium at COA Parbhani and Latur.

The University is providing very good educational atmosphere to the students by providing well equipped laboratories, classrooms and libraries. The University has central library facilities for the students and staffs. There is a separate computer cell with internet facility available to be used by the staffs and students. The College of Agriculture Parbhani has separate buildings for the departments of Agronomy, Animal Husbandry and Dairy, Agricultural Botany, Horticulture, Agricultural Engineering, Metrology and Entomology which having separate experimental farm, lecture halls, seminar hall, well equipped laboratories, and library with internet facilities. The all colleges of agriculture and others has well class rooms with LCD and well-equipped laboratories of various departments. Each department has separate laboratory and seminar halls with audio-visual aids.

The existing hostel buildings for boys and girls students are increased considering the increased intake capacity of the colleges and increase in the number of colleges. During last few years the number of girl students increased considerably. Meeting the demand the new girls hostels are constructed at central campus, Parbhani. The new hostel is constructed for international students. At present there are 9 boys and 8 girl's hostels at Parbhani campus while 8 boys hostels and 8 girls hostels are at other constituent colleges. Good hostel facilities are made available for both male and female students separately in all the colleges of the University. All colleges having play ground. The details regarding the infrastructure and physical facilities are as in Table

Infrastructure

Table : Physical facilities available in different colleges in the University

Sr. No	Particulars	Area under various colleges (sq.m)											
		COA, Pbn	COA, Bdn	COA, O'bad	COA, Ambe jogai	COA, Latur,	COA Golegaon	COABT, Latur	COCS, Pbn	COAE, Pbn	COFT, Pbn	PGIABM Chakur	COH, Pbn
1	Academic Buildings	Two floor 50,000	Two floor 5700	Two floor 4500	One floor 7132	Two floor 8220	Two floor 10000	Two floor 231.93	(01) 4900	(01) 4000	(01) 5951	(01) 7000	(01) 2000
2	Administrative office	(01) 200	(02) 160	(01) 100	(01) 200	(01) 150	(01) 96.93	(01) 250	(01) 300	(01) 180.	(01) 300.	(01) 200	01 100
3	Classrooms	(06) 1125	(04) 560	(04) 200	(04) 1048	(06) 510	(04) 560	(04) 324	(08) 1200	(04) 552.24	(05) 1000	(04) 490	(04) 800
4	Laboratory	(22) 120	(11) 1500	(10) 500	(08) 3500	(10) 1275	(11) 1125	(05) 1000	(22) 2350	(12) 2000	(24) 2550	(02) 2000	(02) 200
5	Library	UL	(01) 230	(01) 100.	(01) 21023	418	(01) 75	(01) 560	(01)	(01) 148.05	(01)	(02) 233	(01)
6	Faculty House	UL	(01) 140	(10) 1275	(01) 140	(07) 683	-	-	860	UL	UL	-	UL
7	Boys hostel	(05) 50,000	(01) 4500	(01) 4500	(01) 10750	(02) 2368	-	(01) 5000	(01) 5000	(01) 5000	(02) 4000	(01) 884	(01) 1600
8	Girls hostel	(04) 45000	(02) 3000	(01) 3000	(01) 4000	(03) 3000	-	(01) 4000	(01) 3000	(01) 3000	01 3000	(01) 884	(01) 1600
9	Play-ground	01 1,0000	(01) 10000	(01) 10000	(04) 16039	(01) 500	(01) 4000	(01) 1000	(01) 1000	(01) 1000	(01) 13410	(01) 50	UL
10	Guest house	UL	(01) 300	-	(01) 500	(01) 500	-	(01) 500	(01) 570.	UL	UL	(01) 750	UL
11	Canteen	(01) 450	(01) 300	(01) 450	(01) 450	(01) 25	(01) 75	(01) 250	105	(01) 100	(01) 100	(01) 215	UL
12	Health clinic	UL	-	-	-	(01) 432	-	-	UL	-	UL	(01) 50	UL
13	Workshop	-	-	-	-	-	-	-	UL	(01) 350	UL	-	UL

Infrastructure

14	Auditorium	01	(01) 230	-	-	(01) 2304	-	(01) 4000	01 385	(01) 175.82	(02) 200	(01) 500	UL
15	Housing for Staff	UL	(01) 140	(01) 140	(01) 150	(18) 2698	-	-	860	UL	UL	-	UL
16	Health facilities	UL	-	-	-	700	-	-	-	UL	UL	UL	UL
17	Guest house	01	(01) 300	-	-	(01) 500	-	(01) 500	570. 7 beds	(01) 372.6	UL	(01) 750	UL
18	Faculty club	UL	-	-	1	-	-	-	UL	UL	UL	-	UL
19	(ELP Unit)	(01) 550	(01) 450	(01) 550	(01) 650	(02) 400	(01) 450	(01) 60	(01) 550	(01) 450	(01) 300	-	(01) 250
20	Farms (ha)	140.00	38.00	50.00	40.00	42.00	10.50	100.00	22.00	33.45	22.00	5.00	17.00
21	Irrigation Infrastructure (ha)	33.00	20.00	10.00	14.00	30.00	25.00	-	-	2.50	-	1.00	5.00
22	Cattle Shed	01	01	01	01	02	-	-	-	-	-	-	-
22	Other Units	Convocation hall (Golden Jubleehall) 1330.77 Biomix production unit 462.91	Exam hall- 230	-	-	Dairy house- 342	ELP (01) 60 Shed net House, Poly house, Farm pond (01) 12273 sqm, Percolation trench (02) 2095 sqm, Percolation pit (02) 449 sqm	Green/poly house -450	L P P School- 250 Ashakiran- 190. ELP Unit- 106	Others- 132.16	ELP-(04) 470 Incubation Center 650	Seminar hall & exam hall- 170 each	ELP Unit- 2500

* UL - University level facility.

Infrastructure

Representative photographs of infrastructure of facility's at VNMKV, Campus



Farmers House



University Sports Complex



Student Welfare Office



Student Gymnasium



Guest House at Chakur Campus



International Students Hostel



Boys Hostel



University Central Library

Representative photographs of college building under VNMKV, Parbhani



College of Agriculture, Parbhani



College of Agriculture, Latur



College of Agriculture, Badnapur



**College of Agri. Business Management,
Chakur**



College of Agriculture, Ambajogai



College of Agriculture, Golegaon



College of Food Technology, Parbhani



College of Horticulture, Parbhani

Representative photographs of infrastructure of facilities at various colleges under VNMKV, Parbhani



Auditorium Hall CoA, Parbhani



Auditorium Hall, CoA, Latur



Convocation and Cultural Hall



NAHEP Project Building



Seminar Hall, CoA, Parbhani



Classroom and Examination Hall, CoA, Latur



Meeting Hall, PGI ABM, Chakur



Class Room, PGI ABM, Chakur

Representative photographs of infrastructure of facilities at various colleges under VNMKV, Parbhani



Library, CoA, Ambajogai



Laboratory, CoA, Ambajogai



Gymnasium, CoA, Ambajogai



Greenhouse and Shade-net VDCOAB, Latur



Laboratory, CoA, Latur



PG Laboratory, SSAC, CoA, Parbhani



Computer Lab at College of Agriculture, Parbhani



Central Instrumentation Cell, SSAC, CoA, Parbhani

6.6.7.1.2 College research units and instructional farms


The jurisdiction of Vasantao Naik Marathwada Krishi Vidyapeeth, Parbhani is spread over eight districts of Maharashtra state covering all Marathwada region i.e., Parbhani, Nanded, Hingoli, Latur, Beed, Osmanabad, Jalna and Aurangabad with 76 Tahsils and 6375 villages. At present area under different colleges of the University is given in Table3.

Agricultural land of different institutional locations under university is provided with the irrigation facilities viz. lift irrigation, tanks, open ponds, wells and tube wells. Irrigation systems based on micro irrigation are also developed as per the requirement of the concerned colleges and research stations. Bullock drawn and power drawn farm equipments are available at all college levels. Water supply facility through open wells and bore wells is strengthened at central campus Parbhani and other constituent colleges. Except, Community Science and Food Technology all other colleges have separate tractor and tractor mounted machineries for the field practicals and research purpose.

Table: Details of land areas under jurisdictional farm at different constituent colleges the University

Sr. No.	Name of the College	Area (ha)
1	College of Agriculture, Parbhani	114.17
2	College of Agriculture, Badnapur	37.73
3	College of Agriculture, Osmanabad	65.00
4	College of Agriculture, Ambejogai	65.73
5	College of Agriculture, Golegaon	80.14
6	College of Agriculture Engineering, Parbhani	22.13
7	College of Food Technology, Parbhani	33.42
8	College of Community Science, Parbhani	21.16
9	College of Horticulture, Parbhani	17.0
10	PG Institute of Agri Business Management, Chakur	9.40
11	College of Agriculture, Latur	65.73
12	College of Agricultural Biotechnology, Latur	22.00

Representative photographs of research units and instructional farms at various colleges under VNMKV

	
Research farm SSAC, CoA, Parbhani	Research Farm, CAET, Parbhani
	
Automatic Weather Station	Energy Park
	
Research Farm, CoA, Latur	Research Farm, CoA, Latur
	
Research Farm, CoA, Badnapur	Shed net, CoA, Badnapur

6.6.7.1.3 Central Campus Parbhani

Since inception of the University, Parbhani is the head quarter. The central campus at Parbhani has main administrative building, staff quarters, student hostels, and college buildings. As a part of development of central campus, University building, library, guest house, VIP guest house, Vice-Chancellor's residence, ladies hostels, boys hostels, international students hostel, farmer hostel, quarters for employees, ATIC, seed processing unit, bakery unit, ELP unit for fruits and vegetable processing, incubation center for jaggery production and sugarcane juice processing and spice processing, ELP unit for dairy processing, processing of pulses and oilseed unit, food processing pilot plant, NAHEP project building for agricultural automations, energy park, watershed park, irrigation park, farm ponds etc. have been developed. The administrative building accommodates offices of the Vice-chancellor, Director of Research, Director of Extension Education, University Engineer, Registrar and Comptroller. The other independent buildings like sorghum research station, safflower research station, soybean research station, paddy research station, dryland research station, integrated farming system, meteorological station, water management scheme, sericulture unit, computer centre, fruit and vegetable scheme, tissue culture centre, seed processing unit, central fruit nursery, cattle breeding program, central workshop etc. have been developed with available funds.

6.6.7.1.4 Seed Production Centers

Since foundation of the university, the university has been playing key role in seed production of various field and horticultural crops in the region. The university has 51 centers for seed production in various field crops like cereals, pulses, oilseeds, spices, medicinal crops and banana fruit crop. The centers are spread over eight districts of Marathwada region. Seed production is mainly taken in kharif and rabi season. The contribution of seed production during summer season is very negligible. During kharif season seed production of soybean, udid, mung, kharif sorghum, paddy, maize, pigeonpea, okra, cotton, groundnut, sunflower, chilli, jute and niger were taken, whereas in rabi season seed production of safflower, sorghum, wheat, gram, linseed, groundnut, sunflower and okra were taken. The list of seed production centers in the university jurisdiction is as follows.

Infrastructure

List of seed production centers and area (ha) under VNMKV, Parbhani (Kharif) during 2018-19 to 2022-23

Sr. No.	Name of Centre	2018-19	2019-20	2020-21	2021-22	2022-23
1	Bajra Research Station, Vaijapur	17.60	17.70	17.70	17.70	17.70
2	ATS , Aurangabad	30.00	27.00	26.40	25.69	32.17
3	KVK, Aurangabad	10.00	7.00	7.00	7.00	7.00
4	NARP, Aurangabad	6.00	6.00	6.00	6.00	6.00
5	ARS, Badnapur	11.20	13.20	1.50	1.40	2.00
6	CoA, Badnapur	10.00	7.00	6.40	6.00	6.00
7	SORS, Badnapur	10.00	9.00	6.50	8.00	9.00
8	KVK, Badnapur	0.00	0.00	8.80	7.30	3.00
9	KVK, Khamgaon	10.50	14.00	12.00	8.00	4.00
10	ARS, Tuljapur	7.80	7.80	7.80	7.80	5.40
11	KVK,Tuljapur	4.00	2.00	4.00	4.00	2.00
12	CoA, Osmanabad	3.00	5.00	7.40	7.40	7.40
13	ATS, Latur	12.00	13.00	12.00	12.00	10.00
14	CoA, Latur	7.00	16.00	13.00	11.00	7.00
15	ORS, Latur	11.50	8.60	11.10	11.70	9.50
16	VDCoAB, Latur	7.40	7.00	5.00	4.00	1.50
17	PGI of ABM, Chakur	2.00	2.00	2.00	2.00	2.00
18	ARS, Somnathpur	15.00	15.00	15.00	15.00	15.00
19	ATS, Ambajogai	10.00	11.00	13.00	13.00	11.00
20	CoA, Ambajogai	10.00	16.00	6.00	2.40	6.80
21	ORSS, Ambajogai	13.00	10.00	10.00	10.00	9.00
22	TSF, Ambajogai	20.00	15.00	25.00	15.00	20.00
23	ATS, Nanded	37.00	20.00	19.00	11.00	17.00
24	BRS, Nanded	4.00	5.00	4.00	3.00	0.40
25	CRS, Nanded	23.20	19.20	19.00	11.00	5.00
26	RSRS, Basmath	7.00	9.50	6.20	5.30	3.20
27	CoA, Golegaon	31.00	31.00	16.00	25.40	25.00
28	CRS (MB), Parbhani	7.00	5.90	8.00	8.00	9.50
29	HRS (Vegetable),Parbhani	2.00	8.60	4.50	7.00	7.00
30	HRS (Pomology),Parbhani	0.00	7.00	7.00	7.00	4.00
31	Sericulture Res. Unit, Parbhani	1.50	1.50	1.50	1.50	1.50
32	CCBP, Parbhani	30.00	25.00	5.00	6.00	0.00
33	WMRS, Parbhani	18.00	20.86	14.96	13.26	16.37
34	AICRP on IFS, Parbhani	4.00	4.00	4.00	3.50	4.00
35	AICRP on Dry land, Parbhani	23.00	22.00	17.00	15.00	15.10
36	Sorghum Research Station, Parbhani	24.00	30.50	20.00	25.00	31.00
37	ATS, Parbhani	12.00	10.00	13.00	12.00	7.50
38	Deptt. Of AHDS, Parbhani	10.00	8.00	7.00	8.00	7.00
39	Deptt. Of Agronomy, Parbhani	15.00	17.00	21.00	17.00	21.00
40	Wheat & Maize Res. Unit, Parbhani	1.00	2.00	1.00	1.00	0.00

Infrastructure

41	AICRP on Safflower, Parbhani	3.00	3.20	3.50	3.00	2.00
42	AICRP on Soybean, Parbhani	2.00	2.00	13.80	21.00	24.00
43	Cotton Research Scheme, Parbhani	17.00	19.00	19.00	11.00	8.00
44	OF & T Center, Parbhani	6.40	8.00	0.00	5.00	3.00
45	Upland Paddy Res. Scheme, Parbhani	30.00	15.00	15.00	0.00	1.00
46	AICRP – Agro-meterology, Parbhani	0.00	1.20	1.00	0.00	0.00
47	Custard Apple Res. Station, Ambajogai	5.00	5.00	0.00	0.00	0.00
48	Central Nursery Scheme, Parbhani	0.00	1.00	0.00	0.00	0.00
49	BSP, Khapaur A, Parbhani	71.80	81.00	79.90	81.00	39.75
50	BSP, Khanapur B, Parbhani	81.00	80.00	100.24	85.00	80.40
51	BSP, Shendra A, Parbhani	65.55	68.42	72.55	66.00	64.00
52	Central Farm, Parbhani	172.20	131.00	178.00	172.00	165.00
	Kharif Total	931.65	891.18	894.75	826.35	755.19

List of seed production centers and area (ha) under VNMKV, Parbhani (Rabi) during 2018-19 to 2022-23

Sr. No.	Name of Centre	2018-19	2019-20	2020-21	2021-22	2022-23
1	Bajara Research Station, Vaijapur	0.00	5.00	6.00	6.00	7.50
2	Agriculture Technical School, Aurnagabad	2.20	4.00	5.00	2.00	6.05
3	National Agriculture Research Project, Aurnagabad	1.00	1.00	1.20	1.40	5.20
4	College of Agriculture, Badnapur	2.00	2.00	2.00	2.00	3.00
5	Sweet Orange Research Station, Badnapur	0.00	0.00	3.00	3.00	3.00
6	Agriculture Research Station, Tuljapur	3.00	2.00	2.00	1.00	2.00
7	KVK, Tuljapur	2.00	2.00	2.00	2.00	2.00
8	College of Agriculture, Osmanabad	0.00	4.40	1.00	1.00	1.00
9	Agriculture Technical School, Latur	0.00	0.00	2.00	2.00	2.00
10	College of Agriculture, Latur	0.00	0.00	4.00	4.00	4.00
11	Oilseed Research Station, Latur	0.00	8.00	7.00	8.00	9.00
12	VD College of Agriculture Biotechnology, Latur	0.00	2.00	3.60	3.00	3.00
13	PGI Agril. Business Management, Chakur	0.00	3.00	2.40	2.00	1.00
14	Agriculture Research Station, Somnathpur	1.40	5.00	5.00	5.00	4.00
15	Agriculture Technical School, Ambajogai	3.00	2.00	2.00	1.00	1.00

Infrastructure

16	College of Agriculture, Ambajogai	0.00	3.00	4.00	6.45	4.45
17	Oilseed Research Substation, Ambajogai	0.00	1.00	6.00	7.00	0.00
18	Agriculture Technical School, Nanded	3.00	8.20	7.00	7.00	7.00
19	Banana Research Station, Nanded	4.00	6.00	3.75	2.00	2.00
20	Cotton Research Station, Nanded	9.00	7.20	15.20	16.20	18.80
21	Regional Sugarcane Research Station,.Basmat	4.00	6.00	5.00	5.00	4.00
22	College of Agriculture, Golegaon	5.00	10.00	1.00	19.00	15.00
23	Cotton Research Station (MB), Parbhani	1.10	1.30	2.00	2.00	3.00
24	Hort. Research Scheme (Vegetable),Parbhani	0.00	2.00	2.50	3.00	3.00
25	Hort. Research Scheme (Pomology),Parbhani	4.00	6.00	1.00	2.00	2.00
26	Sericulture Research Unit, Parbhani	1.50	1.50	1.50	1.50	1.50
27	Water Management Research Center, Parbhani	5.59	14.01	7.80	13.80	14.51
28	AICRP on IFS, Parbhani	2.00	3.00	4.00	3.50	3.30
29	AICRP on Dry land, Parbhani	5.00	13.00	6.50	9.00	8.80
30	Agriculture Technical School, Parbhani	0.00	5.00	5.00	1.50	0.00
31	Sorghum Research Station, Parbhani	2.00	2.00	0.60	6.00	4.00
32	Dept. Of AHDS, Parbhani	2.00	3.00	5.00	5.00	9.00
33	Dept. Of Agronomy, Parbhani	3.00	13.00	13.00	14.00	17.00
34	Cotton Research Scheme, Parbhani	5.00	4.00	4.00	2.79	3.00
35	Long Term Fertilizer Experiments, Parbhani	0.00	1.00	1.00	1.00	1.00
36	Krishi Vigyan Kendra, Badnapur	0.00	0.00	6.00	2.00	2.00
37	Krishi Vigyan Kendra, Khamgaon	2.20	7.60	0.00	4.00	1.00
38.	AICRP on Soybean, Parbhani	3.00	3.00	2.00	0.00	0.00
39.	ARS, Badnapur	0.00	5.00	0.40	0.00	0.00
40	Upland paddy research scheme, parbhani	6.00	15.00	0.00	0.00	0.00
41	Cattle Cross Breeding Project, Parbhani	0.00	5.00	0.00	0.00	0.00
42	BSP, Khapaur A, Parbhani	18.00	40.00	23.00	23.00	20.50
43	BSP, Khanapur B, Parbhani	13.40	28.00	22.00	32.00	22.00
44	BSP, Shendra A, Parbhani	11.38	16.20	20.00	22.55	19.17
45	Central Farm, Parbhani	31.00	120.00	122.00	135.00	81.00
	Rabi Total	155.77	390.41	339.45	389.69	320.78

Infrastructure

Total area under seed production programme during 2018-19 to 2022-23 (Kharif and Rabi)

Sr. No.	Season	2018-19	2019-20	2020-21	2021-22	2022-23
1.	Kharif Season (ha)	931.65	891.18	894.75	826.35	755.19
2.	Rabi Season (ha)	155.77	390.41	339.45	389.69	320.78
	Total	1087.42	1281.59	1234.20	1216.04	1075.97

Seed Processing and sale receipt during 2018-19 to 2022-23

Sr. No.	Year	Seed Production (Qt.)	Valu (Rs. In Lakhs)
1	2018-19	6766.36	245
2	2019-20	6767.69	249
3	2020-21	7974.94	460
4	2021-22	6688.27	544
5	2022-23	5028.74	202

Details of Varieties/Hybrids/Parental Lines used for Seed Production Programme undertaken by University during 2018-19 to 2022-23

SN.	Name of Crop	Improved Variety/ Hybrid
Kharif Season		
1.	Soybean	MAUS-71, MAUS-158, MAUS-162, MAUS-612, MAUS-725, JS 93-05, JS 20-34, JS-20-116, JS-20-29, JS-20-69, JS-335
2.	Pigeon pea	BSMR 736, BSMR 853, BDN 711, BDN 716, BDN-2013-41, BDN-2013-2, BDN-708, BDN-2
3.	Green gram	BM 2002-1, BM 2003-2, BM-4, BPMR-145
4.	Black gram	TAU-1, BDU-1, AKU-15, AKU-1-15
5.	Pearl millet	ABPC-4-3, AHB-1200 Fe, AHB-1269 Fe, ICMA-98222A, ICMA-98222 B, AUBI -1101, AUBI-1105
6.	Paddy	Terna, Parag, , TJP-48, PBNR-03-02
7.	Sorghum	PVK 801, PVK 809, KR-196,
8.	Groundnut	LGN 1, TLG 45
9.	Sunflower	LSFH 171, CMS-17 A, CMS-17 B, RHA-1-1
10.	Okra	Parbhani Kranti, Parbhani-Okra
11.	Chilli	Parbhani Tejas, Parbhani Chilli
12.	Jute	JRO-524
13.	Cotton (American)	NHH-615, NHH-44, BN 1, AC 738, NH-635, NH-615
14.	Cotton (Arboreum)	PA-08, PA-255, PA-402, PA-528, PA-812, PA-740, PA-810, PA-812, PA-837, PA-08, PA-785
15.	Sesamum	JLT 408

Rabi Season		
1.	Sorghum (Rabi)	Parbhani Moti (SPV 1411), Parbhani Jyoti (CSV 18), CPV-40F, Parbhani Super Moti, Parbhani Shakti, PVRGS-1001, PVK-809, C-43,
2.	Wheat	NIAW 301, NIAW 1415, NIAW 1994
3.	Chickpea	BDNG 797, BDNGK 798, Phule Vikram
4.	Safflower	PBNS 12, PBNS 40, PBNS 86, PBNS-184
5.	Groundnut	LGN 1, TLG 45
6.	Linseed	LSL 93
7.	Sunflower	LSFH 171, CMS-17 A, CMS-17 B, RHA-1-1
8.	Onion	Phule Samarth
9.	Tomato	PBNT 05
10.	Pearl millet	ABPC-4-3, AHB-1200 Fe, AHB-1269 Fe, ICMA-98222A, ICMA-98222 B, AUBI -1101, AUBI-1105

6.6.7.1.5 Bio mix Production Centers :

The Bio mix is innovative consortia product use for management of plant production it is started in university since 2010 at Department of Plant Pathology and it has demand form farming community the receipt of last 5 years as under

Bio-mix production and receipt during 2018-19 to 2022-23

Sr. No.	Year	Bio-mix production (MT)	Value (Rs. in Lakhs)
1	2018-19	90	126.52
2	2019-20	96	141.41
3	2020-21	130	192.06
4	2021-22	196	293.65
5	2022-23	270	416.92



Biomix productions units, College of Agriculture, Parbhani

6.6.7.1.6 Bio Fertilizers Production Centers:

The Bio fertilizer is innovative product developed under AINP on Soil Bio Diversity- Bio fertilizer at Department of Soil Science and Agriculture Chemistry the receipt of Bio fertilizer as of last five year as under

Bio Fertilizers (BNF) receipt during 2018-19 to 2022-23

Sr. No.	Year	Value (Rs. in Lakhs)
1	2018-19	5.73
2	2019-20	6.52
3	2020-21	13.29
4	2021-22	16.14
5	2022-23	11.00



Bifertilizer Production Unit, Collaage of Agriculture, Parbhani

6.6.7.1.7 Central Instrumentations Cell and Soil Testing Laboratory:

To understand the need of students of different colleges, research centers of VNMKV campus and farmers, a well equipped the soil, water, plant and fertilizers testing laboratory (Central Instrumentation Cell (CIC) is being established and inaugurated by Dr. J.C. Katyal Deputy Director Journal (Edn.) ICAR, New Delhi in 2005 so far more than 1700 PG and Ph.D. students, 30,000 farmers benefited. The researchers of the different research centers and colleges of VNMKV, campus as well as other affiliated colleges also use these facilities. Around 3000 soil samples, more than 100 water samples and 2000 plant samples were analyzed per year. This Central Instrumentation Cell has sophisticated instruments Viz. Atomic Absorption Spectrophotometer, TOC-L, Double Beam – Spectrophotometer, Flame photometer, N – Analyzers with digestion block, Microwave digestion Extraction System etc. The receipt of this cell is more than 69 lakhs in last ten years.

Table: Number of Beneficiaries, total samples analyze & receipt during 2018-19 to 2022-23

Year	Number of Farmers benefited	PG & PhD Students	Soil Samples Analyzed	Water Sample Analyzed	Plant sample Analyzed	Receipt
2018-19	1835	160	3078	49	1460	7.66
2019-20	1222	150	2610	62	1650	6.28
2020-21	412	150	1544	33	1335	2.20
2021-22	649	140	1826	50	1473	3.32
2022-23	310	135	1439	50	1260	2.97



Central Instrumentation Cell, Soil Science, College of Agriculture, Parbhani

6.6.7.1.5 Milk, Milk product and Organic Manures Production Centers

The cattle cross breeding project was started in 1975 with the objective of to develop the indigenous local cattle breed of Marathwada region particularly Deoni breed. The Holdeo breed was develop by this center by crossing Deoni breed and Holstean freezen this center also cell the milk and milk product and organic manures. The receipt during last 5 years as under. The similar activity also at Animal Husbandry and Dairy Science Department

Milk, FYM, Farm Produce, Vermicompost and Lilav/Sale of cows at CPBP Project receipt during 2018-19 to 2022-23

Sr. No.	Year	Milk (Rs. in Lakhs)	FYM (Rs. in Lakhs)	Vermi and Lilav/Sale of cows (Rs. in Lakhs)
1	2018-19	10.48	6.50	-
2	2019-20	10.26	4.26	7.41
3	2020-21	12.99	15.18	9.76
4	2021-22	15.93	9.00	11.20
5	2022-23	16.08	-	7.58

Milk production Receipt during 2018-19 to 2022-23

Sr. No.	Year	Value (Rs. in Lakhs)
1	2018-19	9.13
2	2019-20	8.61
3	2020-21	8.53
4	2021-22	8.09
5	2022-23	10.90

Experiential Learning Project Milk Product Receipt during 2018-19 to 2022-23

Sr. No.	Year	Value (Rs. in Lakhs)
1	2018-19	0.97
2	2019-20	3.91
3	2020-21	4.33
4	2021-22	6.03
5	2022-23	5.05



6.6.7.1.6 Facilities of Sports, Games and Cultural Activities

The sports facilities for the students are made available by providing sports stadium and Gymkhana in the University and college campus. The spacious grounds to accommodate 400 meter full running track and grounds for kho-kho, kabaddi, cricket, football, volleyball, basket ball, kits for guard of honour etc. are also made available. Recently, badminton hall was constructed for providing better health of students at Central Campus, Parbhani. The gymnasium with modern equipments and amenities is constructed for students at central campus, Parbhani. Intercollegiate youth festivals, games and sports are organized annually. The students are motivated to participate in co-curricular activities like NSS, games, sports, cultural events and competitions.

Representative photographs of Facilities of Sports, Games and Cultural Activities at various colleges under VNMKV, jurisdiction



Volley Ball Ground



Volley Ball Ground



Kabbadi Ground



Girls Kabbadi



Table Tennis Hall



Basket Ball Court



Badminton Court



Sports Coaching



Participation of VNMKV, students in various Cultural programmes.

6.6.7.1.7 NAHEP (National Agriculture Higher Education Project) Project Center :

NAHEP has been funded by Indian Agricultural Research Institute with a total cost of Rupees 18 crores for three years starting from 2017-18. On “Center for Excellence for Digital Farming Solution for Enhancing the Productivity by Robotic Drone and AGVs having four portfolio CDKS, Agri AGVs, Agri., Bots and Agri. Drones. The project is proposed on 50:50 cost sharing basis between the World Bank and the Government of India, implemented at the Education Division, Indian Agricultural Research Institute, New Delhi. so that a holistic model can be developed to raise the standard of current agricultural

Infrastructure

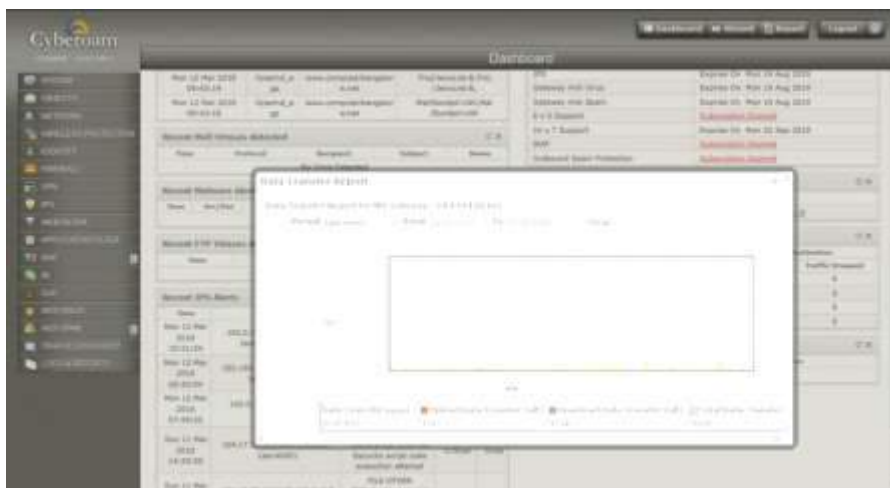
education system that provides more jobs and is entrepreneurship oriented and on par with the global agriculture education standards. The mandate of Indian Agricultural Research Institute/DARE includes promotion and coordination of education in agriculture,



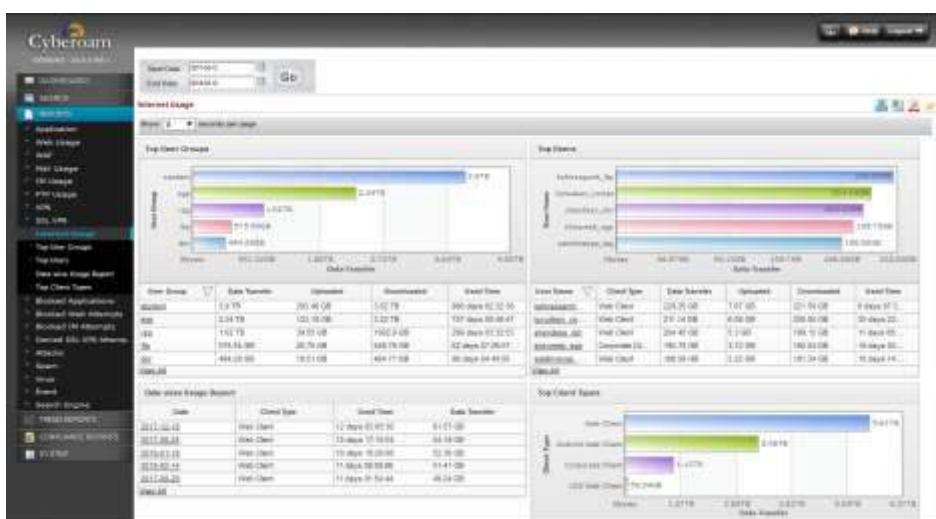
Different Labs & infrastructure at NAHEP Project.

6.6.7.2 IT Infrastructure

The university ARIS cell is functional in the university with its office located in central campus. The cell works in connecting university campus to National Knowledge Network (NKN) through 1 GBPS fiber link, this connectivity is distributed within campus (Internet) using Fiber, UTP & Building to Building Wireless medium. L3 & L2 switched are used for distribution of network. A Unified Threat Management System is available to protect the network, which enables to prevent attacks from internal & external network. The Grants received from ICAR were utilized for procurement of the Switch & UTM etc equipment for enhancement of network capability.



Band-width utilization by students and staff over campus LAN and Wi-Fi facility of VNMKV, Parbhani



Internet uses by students and staff over campus LAN and Wi-Fi facility of VNMKV, Parbhani

ARIS – Agricultural Research Information System

The internet connectivity is available at different Administrative offices, Colleges, Departments, Hostel buildings and Library. At some location including Hostels the wifi connectivity has also been provided. Approximately 150-200 nodes are connected to the network. 550 users including Academic Staff, Students & Administrative staff registered for internet access facility. PhD - 37, M.Sc. / M.Tech. - 104, B.Sc. / B.Tech. - Ug - 65 Academic Staff / Administrative Officers / Non -Teaching Staff - 350. Human resource available with ARIS cell for Computer Hardware / Software trouble shooting, Web Site Maintenance & Network Management is as under,

1. Assistant Professor (Services are spared from Department of Agricultural Engineering)
2. Computer Operator
3. Junior Clerk

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The various information technologies available with the university constituent colleges such as video conferencing, smart classrooms etc. are listed as follows.

Table Details of IT facilities available at constituent colleges (2018-19 to 2022-23)

S. No.	College	Projector	Visualiser	Interactive boards	Smart classrooms	Wi-Fi (Campus)	Wi-Fi (Hostel)	Video conferencing
1	University Library	Yes	Yes	--	Yes	Yes	--	Yes
1	College of Agriculture, Parbhani	Yes	Yes	Yes	Yes	Yes	Yes	Yes
2	College of Agriculture, Badnapur	Yes	Yes	Yes	Yes	Yes	Yes	Yes
3	College of Agriculture, Osmanabad	Yes	Yes	Yes	Yes	Yes	Yes	Yes
4	College of Agriculture, Ambejogai	Yes	Yes	Yes	Yes	Yes	Yes	Yes
5	College of Agriculture, Golegaon	Yes	Yes	Yes	Yes	Yes	--	Yes
6	College of Agriculture Engineering, Parbhani	Yes	Yes	Yes	Yes	Yes	Yes	Yes
7	College of Food Technology, Parbhani	Yes	Yes	Yes	Yes	Yes	Yes	Yes
8	College of Community Science, Parbhani	Yes	Yes	Yes	Yes	Yes	Yes	Yes
9	College of Horticulture, Parbhani	Yes	Yes	Yes	Yes	Yes	Yes	Yes
10	PGIABM, Chakur	Yes	Yes	Yes	Yes	Yes	Yes	Yes
11	College of Agriculture, Latur	Yes	Yes	Yes	Yes	Yes	Yes	Yes
12	College of Agricultural Biotechnology, Latur	Yes	Yes	Yes	Yes	Yes	Yes	Yes



Computer Lab with CERA facilities for students

6.6.7.3. Students and Staff Amenities:

6.6.7.3.1 Peer support and tutoring programs

Adjusting to students' life isn't easy way, so it's worth out for peer support and mentoring programs at the institution. University run peer assisted study sessions, which are

Infrastructure

designed for students who want to improve their academic performances and are run by students who have previously studied the relevant unit.



Parent-Students Meeting



Anti-ragging Counseling of students

6.6.7.3.1 Disability Liaison Office

Students with disability can access support services act as liaison between staff and students to discuss a student's requirement and arrange alterations to assessments, such as using a writer in examinations



Wheel chair



Ramp

6.6.7.3.2 Counseling

Trainees' counselors can give confidential advice to students struggling with their studies, relationship or problems at home. You can also make an appointment to have a chat if you have a trouble adjusting to the changes that come with beginning tertiary study (such as being away from home or keeping up with an independent study schedule). This service is available without doctor's advice.



Student Counseling



Child Guidance and Family Counseling

6.6.7.3.3 Careers Service

Careers cell provides counseling and guidance to students who are unsure of what field they want to enter after graduation and need some guidance choosing subjects, as well as final year students looking for their first job. They may also provide advice and assistance to students seeking part time work or work experience during the course. Institutions offer a combination of group workshops (resume writing and interview skills) and training sessions.



Careers skill development lecture

6.6.7.3.4 Financial Assistance

The financial services team at the institution can be seen when you need advice about budgeting, employment rights, taxations, government allowances and other financial questions or problems. Financial advisors' can also assist students to obtain students loan, whether this through institution or a bank.

6.6.7.3.5 Accommodation Services

Director of Extension in consultation with University Engineers gives information about on and off campus accommodation options for staffs and respective college to students and maintain a database on notice board about availability of rooms and properties. They may also be able to advice you about your rights as a tenant and provide assistance should help with a rental dispute.



Mother's Cottage



Hostel Rooms for students

6.6.7.3.6 Clubs and Societies

The staff society and clubs at individual, campus and at university level. Many activities sports, cultural programe and quiz competition etc. were organized at week end and during semester breaks. There are great way to get involved and make new friends who share your interest.

6.6.7.3.7 Student Union

Student unions are student run organization on campus that lobby for student rights and a range of political causes. They are the hub of student politics and offer interested students the chance to take a role in student leadership. University organizes fun student events and often provides a range of services such as fun student events, advice and representation for those in need, clubs, societies and safe spaces.

6.6.7.3.8 Campus Child Care: Child care center / room at each colleges is for working women's



Child care unit in College of Community Science, Parbhani

6.6.7.3.9 Medical Facilities

University has a health center in which Medical Officer (MBBS DCH), pharmacist and staff nurse are working for the university staff and students. Health center has facilities of 1.Electro cardiogram machine2.Nebulizer3.Glucometer4.Water Purifier5. Blood testing. This health center provides first aid treatments, frequent health checkup camp at different colleges, give information on general medical and family planning matters. University students and staff utilize health center facilities for their checkup and treatment with medical aids at zero cost of medicines. Health center also provides emergency medical services during university level inter university sports and cultural events hosted by university, also conducts blood donation camp with the association of civil hospital during NSS programs of different colleges.



Medical Checkup Facility at University Health Center

6.6.7.3.10 Students Welfare Office

Students Welfare Office located in University office looks after recreation and welfare activities of students and staff by organizing indoor and outdoor games. Musical concerts are being organized for recreation purpose.



6.6.7.3.11 Sports Facilities

The great thing about being a student is that not everything is about sitting in a lecture or at a desk studying for an employee to sit the office. University has sprawling playing fields, indoor stadium that everyone can leisure.

University level outdoor and indoor game facilities viz. Kho-Kho, Kabaddi, Volleyball, Basketball, Handball, Badminton, Table tennis, Cricket, Chess, Carom, Athletics, etc. are available at Student Welfare Office, VNMKV, Parbhani. Similarly all the colleges are also having some of these facilities at the disposal of students at college level.

Sports facilities available at Student Welfare Office, VNMKV, Parbhani.

Sr.No.	Sports, Games and cultural facilities	Unit
1	Gymnasium	1
2	Badminton court	2
3	Table tennis	2
4	Running track (400 m 1 x 10 lane)	1
5	Basket Ball courts with flood lights	2
6	Volleyball grounds with flood lights	4
7	Kabaddi	4
8	Hand Ball Ground	1
9	Kho-Kho ground	4
10	Auditorium	1



Outdoor sports facility



Indoor sports facility

6.6.7.3.12 Libraries and Computer Labs

The college has access to the Central University Library. The Central University Library of Vasantnao Naik Marathwada Krishi Vidyapeeth, Parbhani was established in 1972 with separate state-of-art building to fulfill the academic needs of the students, faculties and extension staff of the campus colleges and research stations. The library has become an important center for learning with its unique status with respect to collection of text books, reference books, journals, periodicals, e-Resources and databases coupled with need base collection and development. The University Library with its available resources is continuously trying to enhance student learning and to develop proficiency in information access, retrieval and integration. The University Library is committed to provide an easy and ready access to library resources for updating the knowledge base of the students and staff.



6.6.7.3.13 General Space and Basic Facilities

The university library at VNMKV, Parbhani campus is having 03 floors (Each Floor 10.65 X 39.50 sq.mt) and total area of 1963.15 sq.mt. The library is having adequate space for the stacking purpose. Also the library consists of three general reading rooms and separate reading room for the girls with adequate furniture. The basic facilities provided by the

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university library to its stake holders include spacious reading rooms, computer lab for accessing internet and reprography facility at nominal charges. Also the library provides extended hours of reading room opening facility to its members.

6.6.7.3.14 Library Automation

The university library is computerized with KOHA library management system. The bibliographic data of the library content of the university library and its constituent college libraries is installed on a single platform i.e. on KOHA cloud server. The Web OPAC of the university library and its constituent college libraries is available 24 X 7 to its stake holders. The University Library has also developed mobile app so that users can check the availability of books, can reserve the book, can check dues on their borrowings etc. With the installation of RFID from ICAR grant, the library has moved one more step towards modernization. RFID based library management system help to enhance security against theft, reduce overall processing time for book issue and return process.

6.6.7.3.15 Digital Library

The University Library provides access to the 2722 e-journals and 1174 e-books to its stake holders through CeRA platform of the ICAR. The University Library has digitized all the Post Graduate and Ph.D. thesis and uploaded them on Krishikosh. The stake holders of the library could access full text digitized thesis with 24 x 7 facilities.

6.6.7.3.16 Learning Resources: (Text Book Availability, Subscription of Periodicals, e-Journals etc.)

The library is having a good collection of text books, periodicals and e-Resources. The quantum of the available learning resources is presented in the following table.

Learning Resources

Sr. No	Details	No.
01	Books	88999
02	Bound Volume of Periodicals	27077
03	Thesis and Dissertations	9969
04	e-Journals (Available through ICAR- CeRA)	2722
05	e-Books (Available through ICAR- CeRA)	1174

Library members

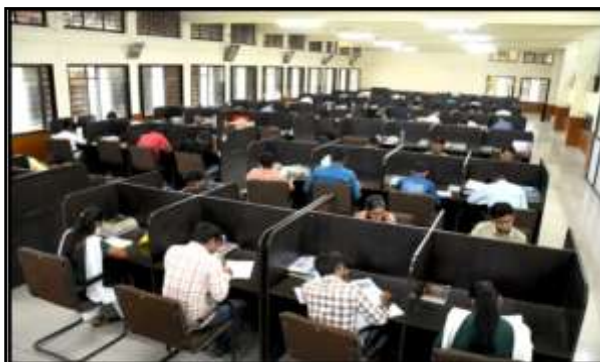
Students	: 3885
Teaching and other staff	: 0537
Total Library Members	: 4452

Library Hours

The University Library provides extended hours of reading room facility to its stakeholders even on Sunday and public holidays.

Reading Room: Monday to Saturday - 07:00 am to 11:00 pm

Sunday and other Public Holidays: 08:00 am to 05:00 pm



Library Reading Room

Library Journal Section

6.6.7.3.17 Computer Lab

These are must for completing assignments and research between classes. Institutions offer 24 hours computer labs for those nights' owls up late finishing assignments. There are special computer labs set aside for certain students who require specific software for design.



Library Internet Facility

Computer Lab

6.6.7.3.18 Prayer Rooms and Chaplains

Prayer rooms or temples located in campus provide a quiet place for students and staff to pray and reflect during breaks. Often chaplains in the form of *Art of Living* and *Vipasna* are also available for students seeking spirituals guidance or just someone to talk to you having different faiths and denominations



Prayer and Cultural Activities Hall



Shiv Temple

6.6.7.3.19 Women's Room or Queer Spaces

University has set aside spaces for women and female students at every College of university campus to relax and socialize in an environment.

From coffee shops, mess and restaurants are made available in the campus. Campuses has also equipped with a range of stores that makes you never to leave campus. The discounted rates that these retailers typically provide are always welcome. Other useful services such as newspaper agents, pharmacies, post offices, banks and cooperative store are made available in the campus.



Gym facility for Students



Volley ball facility at girls hostel

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Daily needs store at girls hostel



Girl's room



Staff and students yoga activity



Staff and students yoga activity

6.6.8 Financial Resource Management

6.6.8.1 Budget allocation

The fundamental components of VNMKV, Parbhani related to the education, research, extension education are funded by state Government under non-plan scheme. Further moreover the accredited Colleges/Institution under VNMKV, received the development grants which are funded by the Indian Council of Agril. Research, (Education Division), New Delhi. Which is based on the requirements and policies finalized at the national level for the State Agricultural Universities. Moreover, the research projects sanctioned under AICRP (All India Coordinated Research Project) and network research programmes are funded with 75% of ICAR and 25% share of State Government. Similarly, the planed research and development projects on ad-hoc basis are sanctioned with 100% grants by the Central Govt. and State Government and other funding agencies. The essential activities at University level are carried out with the approval of the competent authorities of University by utilizing the funds generated under self-supporting schemes and revolving funds for different activities. Transparent purchase procedure is followed by the University for procuring various equipments and items.

Budget allocation (2018-19 to 2022-23)

Budget allocation		(Figures in Rs. Lakhs)			
Year	Name of College	Salary	Contingency	Development Grants	Total
2018-19	College of Agriculture, Parbhani	2685.83	104.10	15.00	2804.93
	College of Food Technology, Parbhani	322.30	11.68	13.00	346.98
	College of Community Science, Parbhani	214.87	9.27	13.00	237.14
	College of Agricultural Engineering & Technology, Parbhani	268.58	10.30	13.00	281.88
	College of Agriculture, Latur	644.60	25.08	13.00	682.68
	College of Horticulture, Parbhani	107.43	3.78	8.00	119.21
	College of Agriculture, Ambajogai	385.43	10.73	49.00	445.16
	College of Agriculture, Badnapur	268.58	10.73	13.00	292.31
	College of Agriculture, Osmanabad	382.73	10.73	50.00	443.46
	College of Agricultural Biotechnology, Latur	382.50	7.80	13.00	403.30
	Post Graduate Institute of Agricultural Business Management, Chakur, Dist. Latur	20	35	0	55.00
	College of Agriculture, Golegaon	140	25	53.00	218.00
	Construction & Repair	0	0	250.00	250.00
	Main University (Dean)	0	0	21.73	21.73
	Total		5822.85	264.2	524.73

Financial Resource Management

Budget allocation		(Figures in Rs. Lakhs)			
Year	Name of College	Salary	Contingency	Development Grants	Total
2019-20	College of Agriculture, Parbhani	2058.66	61.61	33.25	2153.52
	College of Food Technology, Parbhani	241.36	7.99	12.00	261.35
	College of Community Science, Parbhani	175.06	2.64	4.50	182.2
	College of Agricultural Engineering & Technology, Parbhani	205.93	7.79	12.00	225.72
	College of Agriculture, Latur	494.90	9.76	4.00	508.66
	College of Horticulture, Parbhani	79.14	2.51	4.50	86.15
	College of Agriculture, Ambajogai	215.26	4.58	8.00	227.84
	College of Agriculture, Badnapur	215.26	6.49	7.00	228.75
	College of Agriculture, Osmanabad	215.26	6.77	8.00	230.03
	College of Agricultural Biotechnology, Latur	213.23	4.47	9.00	226.7
	Post Graduate Institute of Agricultural Business Management, Chakur, Dist. Latur	56.05	6.22	0	62.72
	College of Agriculture, Golegaon	456.67	80.58	8.00	545.25
	Construction & Repair	0	0	270.00	270.00
	Main University (Dean)	0	0	8.00	8.00
	Total	4626.78	201.41	388.25	5216.89

Budget allocation		(Figures in Rs. Lakhs)			
Year	Name of College	Salary	Contingency	Development Grants	Total
2020-21	College of Agriculture, Parbhani	3837	1.50	11.00	3849.5
	College of Food Technology, Parbhani	460	0.70	4.00	464.7
	College of Community Science, Parbhani	307	0.20	2.00	309.2
	College of Agricultural Engineering & Technology, Parbhani	383	0.70	2.00	385.7
	College of Agriculture, Latur	921	1.20	2.00	924.2
	College of Horticulture, Parbhani	153	0.20	2.00	155.2
	College of Agriculture, Ambajogai	383	0.70	1.00	384.7
	College of Agriculture, Badnapur	383	0.70	2.00	385.7
	College of Agriculture, Osmanabad	383	0.70	1.00	384.7
	College of Agricultural Biotechnology, Latur	383	0.70	2.00	385.7
	Post Graduate Institute of Agricultural Business Management, Chakur, Dist. Latur	31.90	2.05	0	33.95
	College of Agriculture, Golegaon	314.51	5.97	1.00	321.48
	Construction & Repair	0	0	272.86	272.86
	Main University (Dean)	0	0	0.31	0.31
	Total	7939.41	15.32	303.17	8257.9

Financial Resource Management

Budget allocation		(Figures in Rs. Lakhs)			
Year	Name of College	Salary	Contingency	Development Grants	Total
2021-22	College of Agriculture, Parbhani	2999	0	500	3499.00
	College of Food Technology, Parbhani	301	0	2.00	303.00
	College of Community Science, Parbhani	361	0	0	361.00
	College of Agricultural Engineering & Technology, Parbhani	482	0	2.00	484.00
	College of Agriculture, Latur	852	0	0	852.00
	College of Horticulture, Parbhani	207	0	0	207.00
	College of Agriculture, Ambajogai	360	0	3.00	363.00
	College of Agriculture, Badnapur	394	0	5.00	399.00
	College of Agriculture, Osmanabad	277	0	3.00	280.00
	College of Agricultural Biotechnology, Latur	353		2.00	355.00
	Post Graduate Institute of Agricultural Business Management, Chakur, Dist. Latur	27.14	40	0	67.14
	College of Agriculture, Golegaon	419	75.58	4.00	498.58
	Construction & Repair	0	0	100.00	100.00
	Main University (Dean)	0	0	94.00	94.00
Total		7032.14	115.58	715.00	7862.72

Budget allocation		(Figures in Rs. Lakhs)			
Year	Name of College	Salary	Contingency	Development Grants	Total
2022-23	College of Agriculture, Parbhani	2499	0	0	2499.00
	College of Food Technology, Parbhani	251	0	0	251.00
	College of Community Science, Parbhani	301	0	0	301.00
	College of Agricultural Engineering & Technology, Parbhani	402	0	0	402.00
	College of Agriculture, Latur	710	0	0	710.00
	College of Horticulture, Parbhani	173	0	0	173.00
	College of Agriculture, Ambajogai	300	0	0	300.00
	College of Agriculture, Badnapur	328	0	0	328.00
	College of Agriculture, Osmanabad	230	0	0	230.00
	College of Agricultural Biotechnology, Latur	294	0	0	294.00
	Post Graduate Institute of Agricultural Business Management, Chakur, Dist. Latur	41.70	24	0	65.7
	College of Agriculture, Golegaon	314.79	174	0	488.79
	Construction & Repair	0	0	0	0
	Main University (Dean)	0	0	0	0
Total		5844.49	198.00	0.00	6042.49

The College wise budget allocation for salary contingency and fund received through ICAR Development grants during last 5 years are depicted in the above tables further the grant received from State Government & ICAR are sufficient to meet the academic

Financial Resource Management

requirements, of all the constituent colleges for generation of human resources in the field of Agriculture and alliance subjects.

6.6.8.2 Finance Committee

The schedule for the meetings of financial committee held during the last 5 years is presented as follows.

Finance Committee Meetings (2018-19 to 2022-23)

S.No.	Financial Year	Meeting Dates
1	2018-19	10.09.2018, 08.12.2018
2	2019-20	01.06.2019, 11.07.2019, 24.12.2019
3	2020-21	26.06.2020, 11.09.2020, 25.02.2021
4	2021-22	19.07.2021, 22.10.2021, 11.02.2022
5	2022-23	02.09.2022, 07.10.2022, 06.02.2023

6.6.8.3 Internal Resources Generation

Internal Resources Generation (2018-19 to 2022-23)

Year	Name of College	Resource Generated (Rs. Lakhs)
2018-19	College of Agriculture, Parbhani	252.95
	College of Food Technology, Parbhani	64.55
	College of Community Science, Parbhani	25.64
	College of Agricultural Engineering & Technology, Parbhani	48.53
	College of Agriculture, Latur	98.63
	College of Horticulture, Parbhani	24.57
	College of Agriculture, Ambajogai	37.99
	College of Agriculture, Badnapur	61.84
	College of Agriculture, Osmanabad	32.32
	College of Agricultural Biotechnology, Latur	17.48
	Post Graduate Institute of Agricultural Business Management, Chakur, Dist. Latur	57.97
	College of Agriculture, Golegaon	23.28
	Total	745.75

Year	Name of College	Resource Generated (Rs. Lakhs)
2019-20	College of Agriculture, Parbhani	371.33
	College of Food Technology, Parbhani	46.32
	College of Community Science, Parbhani	28.72
	College of Agricultural Engineering & Technology, Parbhani	53.37
	College of Agriculture, Latur	72.71
	College of Horticulture, Parbhani	23.46
	College of Agriculture, Ambajogai	28.19
	College of Agriculture, Badnapur	65.16
	College of Agriculture, Osmanabad	44.09
	College of Agricultural Biotechnology, Latur	32.47
	Post Graduate Institute of Agricultural Business Management, Chakur, Dist. Latur	21.09
	College of Agriculture, Golegaon	45.18
	Total	832.09

Financial Resource Management

Year	Name of College	Resource Generated (Rs. Lakhs)
2020-21	College of Agriculture, Parbhani	256.14
	College of Food Technology, Parbhani	39.05
	College of Community Science, Parbhani	13.44
	College of Agricultural Engineering & Technology, Parbhani	32.93
	College of Agriculture, Latur	143.58
	College of Horticulture, Parbhani	11.56
	College of Agriculture, Ambajogai	39.08
	College of Agriculture, Badnapur	33.37
	College of Agriculture, Osmanabad	25.64
	College of Agricultural Biotechnology, Latur	14.92
	Post Graduate Institute of Agricultural Business Management, Chakur, Dist. Latur	25.49
	College of Agriculture, Golegaon	35.08
	Total	670.28

Year	Name of College	Resource Generated (Rs. Lakhs)
2021-22	College of Agriculture, Parbhani	232.81
	College of Food Technology, Parbhani	31.06
	College of Community Science, Parbhani	18.82
	College of Agricultural Engineering & Technology, Parbhani	33.99
	College of Agriculture, Latur	129.52
	College of Horticulture, Parbhani	5.89
	College of Agriculture, Ambajogai	51.30
	College of Agriculture, Badnapur	81.62
	College of Agriculture, Osmanabad	53.43
	College of Agricultural Biotechnology, Latur	20.04
	Post Graduate Institute of Agricultural Business Management, Chakur, Dist. Latur	18.58
	College of Agriculture, Golegaon	37.48
	Total	714.54

Year	Name of College	Resource Generated (Rs. Lakhs)
2022-23	College of Agriculture, Parbhani	322.62
	College of Food Technology, Parbhani	36.65
	College of Community Science, Parbhani	24.57
	College of Agricultural Engineering & Technology, Parbhani	22.73
	College of Agriculture, Latur	145.26
	College of Horticulture, Parbhani	0.16
	College of Agriculture, Ambajogai	52.66
	College of Agriculture, Badnapur	82.30
	College of Agriculture, Osmanabad	38.39
	College of Agricultural Biotechnology, Latur	28.63
	Post Graduate Institute of Agricultural Business Management, Chakur, Dist. Latur	36.09
	College of Agriculture, Golegaon	28.52
	Total	818.58

6.6.8.4 External Funding
External Funding (2018-19 to 2022-23)

Sr. No.	Year	Grants Received (Rs. Lakhs)
1	2018-19	145.35
2	2019-20	885.38
3	2020-21	415.76
4	2021-22	590.09
5	2022-23	483.55

The External Funding received from the State, National Agencies i.e. DBT, RKVY, RGSTC, NICRA, POCRA, ATMA & NAHEP. Further the funding is also received from Hitech Floriculture, Aurangabad, RAFEAAR, Organic Farming & AICRP.

6.6.8.5 Financial Powers Delegation to Deans/Heads

The financial autonomy to the College/ Deans/University officer & Head of the Departments & as per the 'Account Code' of the VNMKV, Parbhani in which the powers delegated to the College/ Deans/University officer & Head of the Departments.

Sr. No.	Post	Powers delegated up to
1	Hon. Vice Chancellor	All Powers
2	Director of Instruction and Dean / Director of Research / Director of Extension Education	Up to Rs. 3.00 lakhs
3	Associate Dean (Instruction)	Up to Rs. 1.00 lakhs
4	Associate Dean and Principal	Up to Rs. 1.00 lakhs
5	Heads of the Departments	Up to Rs. 25000/-
6	Registrar	Up to Rs. 1.00 lakh
7	University Engineer	Up to Rs. 1.00 lakh
8	Comptroller	Up to Rs. 1.00 lakh
9	Students Welfare Officer	Up to Rs. 25000/-
10	Librarian	Up to Rs. 25000/-
11	In-charge of the Research Stations	Up to Rs. 15000/-

6.6.8.6 Finance Utilization

The financial Utilization under different Heads in the last 5 years are presented in the as fallows moreover the grant received year wise is effectively utilized (100%) to achieve the mandate of University i.e. Teaching, Research & Extension activities.

Finance Utilization (2018-19 to 2022-23)

Division	(Figures in Rs. Lakhs)									
	2018-19		2019-20		2020-21		2021-22		2022-23	
	Grants	Expenditure	Grants	Expenditure	Grants	Expenditure	Grants	Expenditure	Grants	Expenditure
Administration	2896.25	2896.25	2233.73	2233.73	1849.96	1849.96	2512.18	2512.18	1622.96	1622.96
Extension Education	237.40	237.40	237.50	237.50	235.69	235.69	265.63	265.63	242.71	242.71
Education	5855.06	5855.06	5966.02	5966.02	6614.26	6614.26	7975.68	7975.68	6200.44	6200.44
Research	6702.69	6702.69	5905.14	5905.14	7059.68	7059.68	7594.44	7594.44	5302.86	5302.86
Pension	6015.92	6015.92	9032.57	9032.57	8390.15	8390.15	9380.32	9380.32	8907.54	8907.54
Civil Work	658.60	658.60	567.73	567.73	513.98	513.98	115.90	115.90	533.13	533.13
Other	145.35	145.35	292.38	292.38	110.76	110.76	68.09	68.09	119.55	119.55
CSR	0	0	0	0	0	0	0	0	25.00	0
	22511	22511 (100%)	24235.07	24235 (100%)	24774	24774 (100%)	27912	27912 (100%)	22954.19	22929.19(100%)

6.6.9 Accomplishments

6.6.9.1 Awards received by VNMKV, Parbhani

- Dr. Indra Mani, Hon. Vice-Chancellor was conferred with the prestigious Fellowship of the International Academy of Agricultural and Biosystem Engineering (iAABE) (USA). Dr. Indra Mani has been elected as a Fellow of the iAABE for his outstanding contributions in the field of agricultural engineering. The award was conferred by President of iAABE Prof. Fedro S.Zazueta during XX CIGR World Congress held at Kyoto, Japan during December 5-9, 2022.



Dr. Indra Mani, Hon. VC conferred with fellowship iAABE (USA)

- Dr. D.N.Gokhale, Director of Instruction and Dean, VNMKV, Parbhani was admitted as Fellow of the Indian Society of Agronomy (2019) for his outstanding contribution to Agronomy discipline. The fellowship was awarded at Prof. Jayshankar Telangana State Agricultural University, Rajendranagar, Hyderabad on the occasion 5th International Congress during 23rd to 27th November 2021.



Dr. D.N.Gokhale conferred with Fellow of the Indian Society of Agronomy (2019)

Accomplishments

- Dr. D.N. Gohkale Director of Instruction & Dean (F/A), VNMKV, Parbhani was conferred fellow of Indian Society of Oil Seed Research for outstanding contribution in the field of Oil Seed Research and development in India on 8th Feb. 2020
- Indian Council of Agricultural Research, New Delhi has bestowed Vasantryao Naik National Award 2018 to All India Coordinated Research Project for Dry land Agriculture, VNMKV, Parbhani. Award was given at the auspicious hands of Dr. Trilochan Mohapatra, Secretary DARE and Director General, ICAR, New Delhi on the occasion of 91st Foundation Day of ICAR on 16th July, 2019.



ICAR-Vasantryao Naik Award - 2018 to AICRP for Dry Land Agriculture.

- 13th National Annual Review Meeting of Gramin Krishi Mausam Sewa Centres in the country was held during 18-20, December, 2019 at RajmataVijayaraje Sindhiya Agricultural University, Gwalior (M.P.). An Excellence Centre Award was given to VNMKV Gramin Krishi Mausam Sewa Centre at the auspicious hands of Dr. M. Mohapatra, Director, India Meteorological Department.



Award of Excellence 2018 to Agro meteorological Field Unit of VNMKV, Parbhani

Accomplishments

- Krishi Vigyan Kendra, Tuljapur, Dist. Osmanabad received Best Presentation Award in CFLD Zonal Review Workshop on Zone VIII arranged by ATARI, Pune at KVK, Kolhapur during 10-11 December, 2019. Award was given at the auspicious hands of Hon. Dr. K.Narayan Gouda, Ex-Vice Chancellor, UAS, Bengaluru.



Best Presentation Award to Krishi Vigyan Kendra, Tuljapur, (2019)

- VNMKV library received Best User Profile Registration Award (Western Region) in December 2019 for the highest number of Users registration on CeRA. The award was given by Indian Council of Agricultural Research, New Delhi- ICAR-CERA.



Best User Profile Registration Award-Central library, VNMKV, Parbhani. (2019)



Best performing ICAR-AICRP on Pearl Millet Centre 2021-22 to NARP, Aurangabad

- All India Coordinated Research Centre for Dry Land Agriculture, Parbhani Centre received Most Responsive centre Award during XXVII Biennial Workshop of AICRPDA held at ICAR-CRIDA Hyderabad during 02-04, June, 2022.



Dry Land Agriculture, Parbhani Centre received Most Responsive centre Award (2022)

Accomplishments

6.6.9.2 Accreditation Report from ICAR

Indian Council of Agricultural Research, New Delhi has accredited Vasantrya Naik Marathwada Krishi Vidyapeeth, Parbhani and its constituent colleges and programmes in the years 2018 to 2023. The details of proceedings of XXII meeting of the National Agricultural Education Accreditation Board Held on 28th September, 2018 NASC Complex, New Delhi-110012 are as under.

Vasantrya Naik Marathwada Krishi Vidyapeeth, Parbhani accredited by ICAR for five years w.e.f. 28.09.2018 to 31.3.2023 with score 2.77 and grade 'B'.

College Name	Bachelor/ Masters/ Ph.D. Degree Programme accredited		
College of Agriculture, Parbhani GPAC:3.00	B.Sc. (Hons) Agriculture	M.Sc. in - Agronomy, Genetics & Plant Breeding, Plant Physiology, Seed Science Technology, Agricultural Economics, Agricultural Meteorology, Agricultural Entomology, Agricultural Extension, Plant Pathology, Soil Science & Agricultural Chemistry, M.Sc. (Hort.) Floriculture and Landscaping, Fruit Science and Vegetable Science.	Ph.D. in - Agronomy, Genetics & Plant Breeding, Plant Physiology, Seed Technology, Agricultural Economics, Agricultural Entomology, Agricultural Extension, Plant Pathology, Soil Science & Agricultural Chemistry, Ph.D. (Hort.) Floriculture and Landscaping, Fruit Science and Vegetable Science.
College of Agriculture, Badnapur GPAC:2.73	B.Sc. (Hons) Agriculture	M.Sc. in - Agronomy, Genetics & Plant Breeding, Agricultural Entomology, Plant Pathology, Soil Science & Agricultural Chemistry, Horticulture Fruit Science	-----
College of Agriculture, Latur GPAC:3.00	B.Sc. (Hons) Agriculture	M.Sc. in - Agronomy, Genetics & Plant Breeding, Agricultural Entomology, Plant Pathology, Soil Science & Agricultural Chemistry, Agricultural Extension, Plant Pathology, Agricultural Economics, Fruit Science and Vegetable Science.	-----
College of Agriculture, Golegaon GPAC:2.56	B.Sc. (Hons) Agriculture	-----	-----
College of Agriculture, Osmanabad GPAC:2.86	B.Sc. (Hons) Agriculture	-----	-----
College of Agriculture, Ambajogai	B.Sc. (Hons)	-----	-----

Accomplishments

GPAC:2.55	Agriculture		
College of Agricultural Biotechnology, Latur GPAC:2.80	B.Tech. Biotechnology	-----	-----

College of Agricultural Engineering & Technology, Parbhani GPAC:2.91	B.Tech. Agricultural Engineering	M. Tech. in - Agricultural Process Engineering, Farm Machinery and Power Engineering, Irrigation and Drainage Engineering, Soil and Water Conservation Engineering	Ph.D. in - Agricultural Process Engineering, Irrigation and Drainage Engineering, Soil and Water Conservation Engineering
College of Food Technology, Parbhani GPAC:2.87	B.Tech. Food Technology	M.Tech. in - Food Technology	Ph.D. in - Food Technology
College of Community Science, Parbhani GPAC:2.84	B.Sc (Hons) community Science	M.Sc. in - Foods and Nutrition, Family Resource Management, Human Development and Family Studies	Ph.D. in - Foods and Nutrition
College of Horticulture, Parbhani GPAC:2.82	B.Sc (Hons) Horticulture	-----	-----
College of Agricultural Business Management, Chakur GPAC:2.05	-----	M.Sc. Agricultural Business Management	-----

List of Colleges/ Programme of VNMKV, Parbhani not accredited by ICAR, New Delhi

- M.Sc. Animal Husbandry
- M.Sc. Dairy Science
- M.Sc. Bio-technology

Accomplishments

Action Suggested by Previous PRT

The details about recommendations of accreditation agencies and action taken report is as under:

1. Recruitment of Academic Staff is in process at University level
2. The staff deficiency is fulfilled by appointing contractual Teaching Associates.
3. The faculty is also shared from nearby colleges and research station of University.

The Staff recruitment activities done by the university is presented in the following tables

Table: Staff members Recruited directly at higher position (2018-19 to 2022-23)

Sr.No	Year	Recruited
1	01 January 2018 to 31 March 2019	03 Associate Prof.
2	01 January 2019 to 31 March 2020	03 HOD, 07 Professor
3	01 January 2020 to 31 March 2021	-
4	01 January 2021 to 31 March 2022	-
5	01 January 2022 to 31 March 2023	-

Table: Staff members Promoted at higher position (2018-19 to 2022-23)

Sr No	Year	Promoted			Total
		Assistant Professor	Assistant Professor	Professor and above	
1	01 January 2018 to 31 March 2019	10	10	04 (01 HOD 03 Professor)	24
2	01 April 2019 to 31 March 2020	07	04	00	11
3	01 April 2020 to 31 March 2021	00	00	00	00
4	01 April 2021 to 31 March 2022	07	09	00	16
5	01 April 2022 to 31 March 2023	00	00	00	00
Total		24	23	04	51

Recommendation of accreditation agencies	Action taken report
Filling up of vacant positions of teachers.	During last five years university has filled the various faculty positions. The details are as under : 1. Head of the Departments – 03 2. Professors – 09 3. Programme Coordinators – 02 4. SMS – 09

6.6.9.3 Inter Institutional Standings

Indian Council of Agricultural Research (ICAR) New Delhi has ranked accredited University based on their academic performance, research impact, extension activities and participation performance in sports/games and cultural activities, etc. Based on these parameters VNMKV Parbhani have received a rank of 45th , 41st and 51st among sixty seven universities during the years 2018, 2019 and 2020 respectively. The ranking **status** for the year 2021 is to be declared by the ICAR, New Delhi. During last five years, University has received various awards / medals in ICAR sponsored events i.e. agri. unifest / agri. sports. Some of these are ;ICAR Sports- Kabaddi (Gold medal 2018-19), ICAR Sports-Vollyball (Gold medal 2018-19 & 2022-23), ICAR Agril. Unifest-Rangoli (Gold medal 2018-19 & 2019-20) , Skit (Gold medal 2018-19), Mime (Gold medal 2019-20) and Poster Making(Gold medal 2019-20& 2022-23). Similarly University team has actively participated in All India University (AIU) events as well as State Govt Sponsored events.

6.6.9.4 Socio-economic Impact

- **Impact of various activities/ recommendations on upliftment of the farmers**

BIOMIX : A Innovative Bio-agent Consortia (Bio-pesticides+ PGPR) The Biomix is effective against soil borne diseases viz., rhizome rot, dry root rot and pests like, white grub, boll worms.

Farmer benefited through Biomix

Year	Annual Sales Receipt (Rs. In Lakhs)	No. of Farmers benefited
2018-19	14.14	7500
2019-20	16.88 Lakhs	11531
2020-21	26.50 Lakhs	14686
2021-22	416.67 Lakhs	23250
2022-23	28.77 Lakhs	13878



Liquid Biomix



Powder Biomix



Beneficiary farmer purchasing Biomix at VNMKV campus

Socio-economic Impact

- VNMKV, Parbhani has released two important pigeon pea varieties BDN-711 and BDN-2013-41 (Godawari) More than 50% area of Marathwada region under the cultivation of Pigeon Pea variety BDN-711

Important features of BDN-711

- Duration : 150-160 Days
- Yield : 16-18 Qt/ha
- Early variety
- Tolerance to wilt & sterility mosaic
- Suitable in Rainfed Area
- Sustain in long dry spell

Important features of BDN-2013-41 (Godawari)

- Duration : 160-165 Days

Accomplishments

- Yield : 19-23 Qt/ha
- Early variety
- Tolerance to wilt & sterility mosaic
- More protein content
- Bold seed
- Excellent cooking quality
- Good yield in protected conditions

Adoption of improved pigeon pea cultivation technology as recommended by the university showed a 40% increase in total yield, resulting in a higher profit of Rs. 14,065 per hectare .

VNMKV developed Pigeonpea varieties (BDN-711, BDN-708, BDN-716, BSMR 736) and their share in Maharashtra

Year	Area (Lakh Ha)	% Share in Area	Rs. in crore on farmers field	Rs. In crore (State Avg.)	Additional benefit Rs. in crore* (FLD Avg.)
2018-19	6.87	54	5696	4301	1680
2019-20	7.65	54	6922	5610	1395
2020-21	6.34	54	7462	3024	1312

* Additional benefit of farmers due to improved varieties of VNMKV, Parbhani calculated on the basis of FLD Avg. yield

▪ **BBF Planter developed by VNMKV, Parbhani**

Four in one BBF planter useful for bed making, sowing & fertilizer application, seed covering & weedicide application. BBF serves the purpose of in-situ moisture conservation as well as drainage channel if excess water is found apart from providing proper aeration in the seedbed & root zone.

PPP for Commercializing of BBF Planter with CRIDA Hyderabad & Rohit Udyog, Pune. More than 3000 Planter sold during last 2 years.



Socio-economic Impact

- **India's first bio fortified Pearl Millet Hybrid AHB-1200 developed by AICRP on Pearl Millet, Aurangabad (VNMKV, Parbhani)**

Accomplishments

Important features

- High Yielding
- Rich in Fe (88 ppm) and Zn (38 ppm)
- Downy mildew resistant
- Helpful for curing of Anaemia disease
- Helpful for issues related to malnutrition under child and women
- Helpful for maintaining hemoglobin level in anemic patients
- 92 per cent of adopter farmers were found technically efficient.



Pearl Millet hybrid: AHB-1200

Accomplishments

6.6.9.5 International Collaboration

The list of collaboration taken place during last five years with international agencies/ universities / institutes for academic, research and others.

Year	MoU Signed with	Subject of MoU
2018	ICRISAT, Hyderabad	Harvest Plus Project “Partnership based genetic enhancement of pearl millet for high grain iron density for improved human nutrition in India”
2018	ICRISAT, Hyderabad	Delivering more produce and income to farmers through enhancing genetic gains for chickpea and pigeonpea
2018	ICRISAT, Hyderabad	Harvest plus project on “Identification of micro nutrients - dense sorghum for better health in western & central Africa & India”
2019	ICRISAT, Hyderabad	Genetically enhanced micronutrient dense Pearl Millet for improved human nutrition under Harvest Plus# 5310.
2019	ICRISAT, Hyderabad	Delivering more produce and income to farmers through enhancing genetic gains for pigeonpea
2020	ICRISAT, Hyderabad	Partnership based genetic enhancement of pearl millet for high grain iron density for improved human nutrition in India.
2020	ICRISAT, Hyderabad	Multilocation testing of sorghum and pigeon pea
2021	Universitat Politècnica de València, Spain	Collaborative research work of PG and Ph.D. students.
2021	Washington State University, USA	
2021	Belarusian State University of Informatics and Radio-electronics, Belarus	
2023	Kansas State University, USA	Development of skill manpower for digital agriculture
2023	University of Florida, USA	Through this MOU, both parties agree to following points. <ol style="list-style-type: none">1. Discussion of potential Collaborative research2. Opportunities for faculty and staff development and exchange3. Opportunities for student development and exchange4. Exchange of academic publication and reports.5. Sharing experience in innovative teaching methods and course.

Accomplishments



MoU with Kansas State University, USA (Feb. 2023)



MoU with University of Florida, USA (Feb. 2023)

Accomplishments

List of PG/ Ph.D. Students attended International Training at Geoinformatics Center AIT, Bangkok (Duration 27/02/2023 to 24/03/2023)				
Sr. No.	Name	Gender	Caste	Department
1	Leona Gurrala	F	GEN	Ph.D. (Plant Pathology)
2	Patil Nikhil Mahadev	M	GEN	Ph.D. (Soil Science)
3	Shubham Bhanudas Girdekar	M	OBC	Ph.D. (Soil Science)
4	Anshul Singh	M	EWS (Central) PwD(OD)	M. Tech (Food Technology)
5	Anjali Sharma	F	OBC	M.Sc. Entomology
6	Tadavi Sameer Abbas	M	ST	M.Sc. (Extension Education)
7	Anjali Jayguru Meshram	F	SC	M.Sc. (Extension Education)
8	Kadam Ganesh Ramrao	M	GEN	M. Tech (Food Technology)
9	Harkal Anil Dnyaneshwar	M	GEN	Ph.D. (Farm Machinery & Power Engineering)
10	Achyut Balaji Pillewad	M	SBC	M.Sc. Botany

International Training at Yunus Center AIT, Bangkok (Duration 27/02/2023 to 24/03/2023)				
Sr. No.	Name	Gender	Caste	Department
1	Ms. Sushma Mane	F	GEN	Community Science

Accomplishments

International Training at School of Engineering, AIT, Bangkok (Duration 01/03/2023 to 31/03/2023)				
Sr. No.	Name	Gender	Caste	Department
1	Mr. Vipul Shantaram Chaudhari	M	OBC	M.Tech in Irrigation and Drainage Engineering
2	Ms. Harsha Bansi Pawar	F	OPEN	M.Tech in Irrigation and Drainage Engineering
3	Ms. Vidya Digambarrao Khating	F	OPEN	M.Tech in Soil and Water Conservation Engineering
4	Mr. Karnraj Chakrapani Dhavan	M	OPEN	M.Sc. in Agricultural Meteorology
5	Ms. Shweta Sampatrao Shinde	F	OPEN	M.Tech in Farm Machinery and Power Engineering
6	Mr. Akash Munjabhau Mane	M	OBC	M.Tech in Soil and Water Conservation Engineering
7	Mr. Sagar Devidas Patil	M	OBC	M.Tech in Processing and Food Engineering
8	Anushree R K	F	OPEN	Food Science and Nutrition
9	Mr. Swapnil Samptrao Waghmare	M	SC	AHDS (Dairy Science)
10	Mr. Priti Babasaheb Bhosale	F	OPEN	M. Tech (Food Processing Technology)
11	Ms. Tejaswini Dnyaneshwar Warik	F	OPEN	M.Sc Agril. Botany (Plant Physiology)
12	Ms. Snehal Manohar Gambhire	F	OPEN	M.Sc Agril. Botany (Plant Physiology)
13	Ms. Aboli Rameshwar Bhatlawande	F	OPEN	M. Tech (Food Processing Technology)

International Training at University polytechnic Valencia, Spain (Duration 01/03/2023 to 31/03/2023)				
Sr. No.	Name	Gender	Caste	Department
1	Mr. Omkar Kakde	M	GEN	M.Tech in Farm Machinery and Power Engineering
2	Mr. Sushant Bhalerao	M	SC	M.Tech in Farm Machinery and Power Engineering

Accomplishments

Short Visit at University of Florida, USA, Kansas State University & Washington State University (Duration 04/02/2023 to 14/02/2023)				
Sr. No.	Name	Gender	Caste	Designation
1.	Dr. Indra Mani	M	GEN	Vice- Chancellor VNMKV, Parbhani

Faculty attended International Training at University of Florida, USA (Duration 09/09/2022 to 21/12/2022)				
Sr. No.	Name	Gender	Caste	Designation
1	Dr. G.U. Shinde	M	GEN	Principal Investigator, NAHEP, VNMKV, Parbhani.
2	Dr. K.K. Dakhore	M	GEN	CO-PI (CDKS), NAHEP, VNMKV, Parbhani.

Short Visit at Yunus Center AIT, Bangkok (Duration 15/03/2023 to 24/03/2023)				
Sr. No.	Name	Gender	Caste	Designation
1	Dr. V.S. Bhalerao	F	GEN	Core Team member NAHEP, VNMKV, Parbhani

Accomplishments

6.6.9.6 Fund Raising through CSR

The university is working as a centre for testing the varieties of various field crops released by private companies in addition to the products like insecticides, pesticides, growth regulators, fungicides and weedicides. The university collects testing fees for above purpose. The university also collect the fund for other activities like organization of Joint Agresco, Seminars, Symposiums and Annual workshops from private companies. The university received CSR fund of Rs. 25.00 lakhs during 2022-23.

Year	Product Testing	
	No. of Hybrids / Varieties for testing	Testing Receipt (Rs. Lakhs)
2018-19	462	367.05
2019-20	328	205.09
2020-21	271	171.34
2021-22	402	191.20
2022-23	720	609.87
Total	2183	1544.55

Year	DNA Fingerprinting Project	
	Hybrids /Varieties tested for DNA fingerprinting	Testing Receipt (Rs. Lakhs)
2018-19	118	11.44
2019-20	300	1.77
2020-21	18	4.24
2021-22	35	5.98
2022-23	79	9.24
Total	550	32.67

6.6.9.7 Alumni Support

The various faculties of Vasantnao Naik Marathwada Krishi Vidyapeeth, Parbhani established Alumni Associations. The following alumni associations are actively organizing various events and contributes funds for the development as well as the benefit of the students and institute.

1. Alumni Association of College of Agriculture, Parbhani
2. Alumni Association of College of Food Technology, Parbhani
3. Alumni Association of College of Agricultural Engineering and Technology, Parbhani.
4. Alumni Association of College of Home Science (Community Science), Parbhani.

Counseling

1. Provides mentoring to on-going students
2. Facilitating internships
3. Career opportunities
4. Placement for outgoing students
5. Industry-academic connection

Accomplishments

6.6.9.10 Certificate

I, the Registrar of the Agricultural University (Vasantrao Naik Marathwada Krishi Vidyapeeth, Parbhani 431 402, Maharashtra) hereby certify that the information contained in the sections 6.4, 6.5 and 6.6.1 to 6.6.9.7 are furnished as per the records available in the University.



(D.R. Kadam)
Signature of Registrar
With date and seal