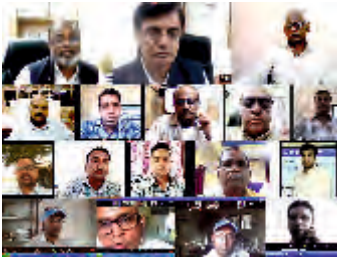


Annual Report

2020-2021



Mahatma Phule Krishi Vidyapeeth

Rahuri - 413722, Dist. Ahmednagar (Maharashtra)

www.mpkv.ac.in



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ANNUAL REPORT 2020 - 2021



MAHATMA PHULE KRISHI VIDYAPEETH

Rahuri - 413 722, Dist. Ahmednagar (Maharashtra)

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Dr. P. G. Patil
Vice Chancellor,
Mahatma Phule Krishi Vidyapeeth,
Rahuri-413 722, Dist.Ahmednagar



FOREWORD

The Annual Report of Mahatma Phule Krishi Vidyapeeth, Rahuri for the year 2020-2021 recounts the yearlong activities and programmes in the fields of Education, Research, Extension, Administration, Civil works, Accounts and the superb achievements of students in various competitive examinations and the accomplishments of the faculty, scientists and employees. I am very happy to say that MPKV has secured 23rd rank in the country in the year 2020. The rank has been improved by three ranks then the previous year. It is the result of dedicated efforts of the faculty, scientists, officials, employees, workers and students of this University.

In respect of education, during the year 5813 students have successfully completed the Undergraduate, Post-Graduate and Ph.D. degree programmes. During the year, 29 students excelled JRF and 4 students excelled SRF where as 25 students qualified ICAR-NET in the disciplines of agriculture and allied sciences. A majority of the students secured scholarships from various agencies. Many students of the University have joined the Government Services through MPSC and a good number of students have joined the Private Sector. A few of them have opted for self-employment. In this pandemic situation university has adopted innovative methods for capacity building of students and faculties. In this report year under CAAST-CSAWM 133 International, National trainings/workshops/webinar/courses were conducted in which 19903 students, 21845 faculties and 4340 farmers were benefited.

Research work carried out through various departments, research projects and schemes in the university contributed to different varieties of crops, farm implement and technologies for the benefit of the farmers. Seeds and grafts of various field crops and plantation crops were produced and made available to the farmers.

Mahatma Phule Krishi Vidyapeeth, Rahuri has been the most credible source of information and farm advisory for the farmers of the region. Therefore, many farmers visit the Central Campus and other Colleges and Research Stations. The faculty and the scientists of the university guide them through the laboratories and demonstrate the technologies generated by the university for their socio-economic benefit. Due to covid-19 pandemic thousands of farmers were guided by online mode. University is implementing innovative extension programmes like ICAR Farmers FIRST, Technology week, Rabi day etc. in MPKV jurisdiction for effective transfer of technology. The Krishi Din and Krishi Sanjavini Saptah programme of the Government of Maharashtra was organized during July 1 to 7, 2020 by MPKV, Rahuri in coordination with the State Department of Agriculture, M. S. in the university jurisdiction. A total of 180 programmes with the participation of 27150 farmers were involved in the Krishi Sanjivini Saptah. Further, 7613 farmers participated in Krishi Din programme on 1st July wherein 196 university scientists and 495 staff of Agriculture Department were involved. A detailed account of the progress of the University is presented in this Annual Report.

His Excellency Hon'ble Governor of Maharashtra and the Chancellor of the University, Hon'ble Minister for Agriculture and Pro-Chancellor of the University, the Director General of Indian Council of Agricultural Research, New Delhi and the Executive Council Members of the University immensely supported the efforts and the entire University is grateful to them for their support, guidance and help from time to time.

(P. G. Patil)





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1. Salient Achievements

Mahatma Phule Krishi Vidyapeeth, Rahuri established on 29th March, 1968 has been a center of human resource development to meet the growing demands of the state as well as the nation for trained man power specialized in Agriculture. This is one of the four Agricultural universities in the state with its jurisdiction spread over Western Maharashtra covering 10 districts, viz., Kolhapur, Sangli, Satara, Solapur, Pune, Ahmednagar, Nasik, Dhule, Jalgaon and Nandurabar.

The unique feature of this University's jurisdiction is that, it has extreme agro-climatic conditions of farming. Four out of the nine agro-climatic zones of Maharashtra fall in this region. These are Western Ghat Zone, Sub-Mountain Zone, Western Maharashtra Plain Zone and Scarcity Zone. The total geographical area distributed among the ten districts of this University is 116.12 lakh ha (37.5 percent of total geographical area of the state). Out of this, 72.45 lakh ha area is under cultivation. The total irrigated area is 13.17 lakh ha (18.17 percent). However, a large area of this University comes under drought prone zone (approx. 80.00 percent of the state). The main objective of MPKV is to co-ordinate Agril. Education, Research and Extension activities.

1.1 Education

Mahatma Phule Krishi Vidyapeeth is imparting education from diploma to doctoral level of Agriculture and allied disciplines through its constituent and affiliated schools and colleges. Some of the salient educational activities and achievements are as given below-

• Major Events Celebrated

All the events were organized either virtually or offline by following COVID-19 protocols.

1. Mahatma Phule Jayanti was celebrated on April 11, 2020 at various constituent colleges and Central Campus, MPKV, Rahuri.
2. Bharatratna Dr. Babasaheb Ambedkar Jayanti was celebrated on April 14, at various constituent colleges and Central Campus, MPKV, Rahuri.
3. The International Day of Yoga was observed on June 21, 2020 at various constituent and affiliated colleges under the jurisdiction of MPKV, Rahuri.
4. Massive Tree Plantation Programme was conducted during July 01-07, 2020 as Krishidin and Krishi Sanjivini Saptah all constituent colleges under the ambit of university. At Central Campus, Vanmahotsav was organized under Chairmanship Hon'ble Vice Chancellor Dr. K. P. Viswanatha.
5. Teachers Day was celebrated on September 05, 2020 at various constituent and affiliated colleges under the jurisdiction of MPKV, Rahuri.
6. The Constitution Day was celebrated at Central Campus MPKV, Rahuri and all the constituent colleges on November 26, 2020.
7. Mahatma Jotiba Phule Punyatithi was celebrated on November 22, 2020 at Central Campus MPKV, Rahuri and all the constituent colleges.
8. The Birth Anniversary of Chattrapati Shivaji Maharaj was enthusiastically celebrated on February 19, 2021 in the university.
9. Other activities viz., Republic Day, Maharashtra Din and International Labour Day and Independence Day were celebrated.

• Major Events Organized:

1. World Environment Day-2020 was celebrated by organizing online expert lecture at Central Campus on June 05, 2020. Dr. Alok Kumar Sikka, IWMI Representative-India and Principal



- Researcher, International Water Management Institute, New Delhi was the Chief Guest. Hon'ble Vice Chancellor Dr. K. P. Viswanatha chaired the function.
2. A National online webinar on Bioenergy, a Climate Smart Renewable Energy: Present Status and Future Prospects was organized on June 30, 2020 by the Centre for Advanced Agricultural Science and Technology for Climate Smart Agriculture and Water Management, Mahatma Phule Krishi Vidyapeeth, Rahuri. The keynote speaker of the webinar was Shri. Nitin Gadkari, Hon'ble Minister for Road Transport and Highways of India, Shipping and Micro, Small and Medium Enterprises, Government of India.
 3. A five week online training programme on Competitive Examination: AIEEA (PG) JRF, AICE-JRF/SRF (Ph.D.) and ICAR-NET /ARS was organized during July 02- August 09, 2020 by CAAST-CSAWM, MPKV, Rahuri. The inaugural function was carried in presence of Dr. R. C. Agrawal, National Director, NAHEP and DDG (Education), ICAR, New Delhi.
 4. As per the directives by Hon'ble Governor, Maharashtra Organ Donation Awareness Week was organized with the help of Civil Surgeon, Ahmednagar during August 13-20, 2020 at various constituent and affiliated Agriculture and Allied colleges. Online webinar was organized at Central Campus and various constituent colleges. At Central Campus online webinar was organized under the Chairmanship of Hon'ble Vice Chancellor, Dr. K. P. Viswanatha. Total 121 organ donation forms were filled up.
 5. Field Day and Farmers Rally at Village-Balapur, Tal-Dhule, Dist-Dhule on September 22, 2020 was organized by AICRP on Pearl Millet, Bajra Research Scheme, College of Agriculture Dhule on the demonstration plot of hybrid Phule Aadishakti.
 6. A one day webinar on Agricultural Education Day-2020 was organized on December 03, 2020. Dr. A. L. Pharande, Dean, Faculty of Agriculture and Director of Instruction, MPKV, Rahuri presided over the function.
 7. Training on Nursery Management of Horticultural Crops ICAR-SC-SP Scheme was organized at College of Agriculture, Dhule during February 17-18, 2021.
 8. Training on Application of Modern Irrigation Methods in Agriculture under ICAR-SC-SP Scheme was organized at College of Agriculture, Dhule during February 17-18, 2021.
 9. Training on Summer Seed Production Technology under ICAR-SC-SP Scheme was organized at College of Agriculture, Dhule during March 08-09, 2021.
 10. Training on Leadership Development and Team Building Skills for Students under ICAR-SC-SP Scheme was organized at College of Agriculture, Dhule during March 15-16, 2021.

• Capacity Building

Under capacity building programme, 398 faculty members and 28 students proceeded for Winter School / Summer School / Refresher Courses, National / International Conference / Seminars / Conclave / Symposia through online or offline mode during the year 2020-21.

• Workshops/Seminar/Trainings Organized

1. Six months training programme on "Protected Cultivation of Flowers and Vegetables' for Agri.

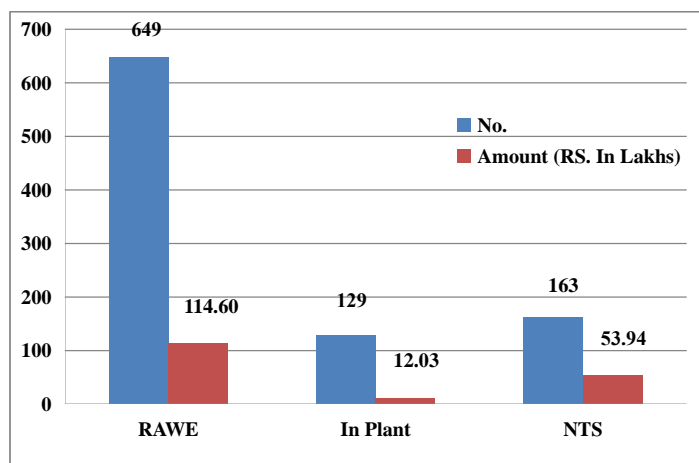


Diploma students was organized by College of Horticulture, Pune.

2. Twenty training programmes on various aspects of agriculture and allied fields under SC-SP Plan were conducted at RCSI College of Agriculture, Kolhapur having more than 500 beneficiaries.
3. Five training programmes on various aspects of agriculture and allied fields were conducted at Dr. A S College of Agricultural Engineering and Technology, Rahuri having more than 500 beneficiaries.
4. Four training programmes on various aspects of agriculture and allied fields under SC-SP Plan were conducted at College of Agriculture, Dhule having more than 100 beneficiaries.

● Students Development:

● Student READY/NTS Beneficiaries



● Students Achievements in JRF/SRF/NET/Competitive Exams/Sports

- 29 JRF and 4 SRF students were qualified in the ICAR's PGS-2019 Exam.
- Twenty-five students qualified ICAR-NET in the disciplines of agriculture and allied sciences.
- More than hundred and fifty students secured

success in Maharashtra Public Service Commission Agricultural Exam.

● Memorandum of Understandings

Sr. No.	Name of the Organization	Year of Signing	Purpose
1	National Cooperative Development Corporation, New Delhi	November, 2020	Faculty and student exchange, Capacity building

● Awards and recognition

● A) Faculty

- The Golden A.I.M. Conference and Award bestowed Hon'ble Vice Chancellor Dr. K. P. Viswanatha as the Best Vice Chancellor Award for his dedicated and excellent leadership of the university on September 11, 2020.
- Dr. Vishnu Garande, Officer Incharge and Professor of Horticulture (CAS), AICRP on Fruits, Department of Horticulture, MPKV, Rahuri was awarded by All India Paramount Achievement Award-2019 by Society for Advancement of Human and Nature (SADHNA), Y. S. Parmar University of Horticulture and Forestry, Nauni, Solan, H.P on July 01, 2020.
- Dr. M. C. Ahire, Associate Dean, Punyshlok Ahilyadevi Holkar College of Agriculture, Halgaon and Head, Department of Agriculture Extension and Communication, MPKV, Rahuri was elected as Vice President (West Zone) of Indian Society of Extension Education, New Delhi on December 15, 2020.
- Dr. P. B. Kharde, Associate Professor of Agril. Extension bagged the Best Oral Presentation



Award in the National Conference organized by Acharya N. G. Ranga Agricultural University during August 20-21, 2020.

- Dr. Sandip D. Patil, Assistant Professor of Agril. Extension, College of Agriculture, Dhule was nominated as an Executive Councilor, West Zone in Indian Society of Extension Education, New Delhi
- Dr. Sandip D. Patil from College of Agriculture, Dhule was nominated as an Executive Member of Asian Journal of Extension Education and Maharashtra Society of Extension Education, Akola, Maharashtra.

B) Institute

- AICRP on Mushroom, College of Agriculture, Pune honored with the "Best Performing Centre Award" during Annual Workshop (Virtual) -2019-20, held on June 8-9, 2020 at ICAR-DMR, Solan (HP) under the Chairmanship of Dr. Trilochan Mohapatra, Hon. Secretary, DARE and DG, ICAR, New Delhi.
- AICRP on Pearl Millet, College of Agriculture, Dhule awarded with the "Appreciation Certificate for Pearl Millet B-parent Development" in the 56th Annual Pearl Millet Group Meeting held virtually during March 22-24, 2021 by Project Co-ordinator, ICAR-AICRP on Pearl Millet, ARS, Mandor.
- The Project Phule Robo-Remote operated spraying Rover for orchard received Agri India Hackthon 2020 Award from Ministry of Agriculture & Farmer's Welfare through PUSA Krishi, ICAR – IARI.
- The Centre for Advanced Agricultural Science and Technology (CAAST) for Climate Smart Agriculture and Water Management

(CSAWM), Mahatma Phule Krishi Vidyapeeth, Rahuri was received award of Excellence for Digital Innovation in 2020.

- MBA (Agri.) Programme at College of Agriculture, Pune and Agricultural Technical School, Solapur achieved ISO: 9001: 2015 Certification for its Quality Management System for the period of three years (2019 to 2022).
- College of Agricultural, Pune Dispensary was honored with ISO: 9001:2015 Certification for its Good Health Practices for the period of three years (November 01, 2019 to October 31, 2022).

• New Projects/Proposals Sanctioned:

- Government of Maharashtra approved the staff positions for College of Agriculture, Halgaon vide resolution No. MPKV 1415/228/7-A on July 14, 2020.
- New Academic Programme:
- Center for Advanced Agricultural Science and Technology (CAAST) for Climate Smart Agriculture and Water Management (CSAWM) under NAHEP-ICAR has started the Post-Doctoral programme.
- Three years (six semester) english medium Agriculture Polytechnic programme was started from academic year 2020-21.

1.2 Research

1. The University has produced 24891 quintals of seed.
2. A total of 11.09 lakh planting material of fruit crops and ornamental plants was produced by University.
3. A total of 700 litres and 52.42 Qt. of biopesticides and 46.25 MT and 7050 litres of biofertilizers and

11500 litres of micronutrients were produced by various centers of the University.

1.3 Extension Education

1. About 761 training programmes for farmers, farm youth, farm women, staff of development departments and interaction training programme between farmers and scientists were organized by the Regional Extension Centres, District Extension Centres, Agri. Research Stations and Krishi Vigyan Kendras.
2. A total of 41 monthly district workshops were organized and 1569 were the beneficiaries.
3. A total of 234 method demonstrations, 531 Result demonstrations, 720 Front line demonstrations and 36 assessment trials were conducted and 4218 farmers were benefitted from these demonstrations.
4. During the year different 118 group discussions, meetings, field visits / shivar pheries, field days, Farm and Home visits, Farmers rallies, Agril. Exhibition, Study tours were organized for promoting agricultural technologies to the end users.
5. Diagnostic and surveillance team has visited 356 places to guide the farming community.
6. Different publications viz., Krishi Darshani (10000), Shri Sugi (2000), Folders (40), booklets, MPKV Happenings were released by the University and made available to the end users.
7. The University scientists attended 37824 Help line calls and guided the farmers on major issues.
8. In the annual year 2663 water and soil samples, 201 pests samples, 113 diseases samples were tested by the University scientists along with necessary guidance.
9. Total 140666 farmers were given advisory through SMS.



2. Education

Mahatma Phule Krishi Vidyapeeth, Rahuri is the first State Agriculture University in Maharashtra established in 1969 having its jurisdiction in 10 districts of Western Maharashtra. Director of Instruction shoulders the responsibility of leading the education of the university. Director of Instruction is responsible for preparing the academic programme as regards to courses offered, curricula and co-ordinate and guide education, in all the constituent and affiliated colleges, technical schools of the university in close co-operation with the Deans of Faculties, Head of Departments and other officers.

The mandate is to provide Diploma, Graduate, Post-Graduate and Doctorate level quality education in agriculture and allied disciplines for skill development and producing the competent human resource.

Quality Education for Competent Graduates

The University offers various educational programmes viz., Bachelors Degree Programme in Agriculture, Horticulture, Agriculture Engineering, Food Technology, Agri-Business Management, Biotechnology, Diploma in Agriculture Technology and Masters degree programme in 21 disciplines of Agriculture and 4 disciplines of Agriculture Engineering and Doctoral degree programme in 17 disciplines of Agriculture and 04 disciplines of Agriculture Engineering.

There is a Post-Graduate Institute at the Central Campus, Rahuri for M.Sc. and Ph.D. programmes. There are also seven Colleges of Agriculture at Pune, Kolhapur, Dhule, Nandurbar, Karad, Muktainagar and Halgaon for B.Sc. (Hons) Agriculture, MPKV has one College of Horticulture at Pune for B.Sc. (Hons) Horticulture, one College of Agri. Business

Management at Kashti, Malegaon for B.Sc. (Hons) Agri. Business Management and one College of Agricultural Engineering at Rahuri for B.Tech. (Agril. Engg.), M.Tech. (Agril. Engg.) and Ph.D. programmes. The Post-Graduate programme is also started at College of Agriculture, Pune, Dhule and Kolhapur leading to M.Sc.(Agri.) degree and Ph.D. programme in Agril. Meteorology at College of Agriculture, Pune. The new PG degree course in Agricultural Business Management i.e. M.B.A. (Agri.) has started at College of Agriculture, Pune.

Educational Programmes

2.1 Bachelor's Degree Programme

University has ten Under Graduate Constituent Agriculture and Allied Colleges with intake capacity of 884 students and 62 affiliated unaided Agriculture and Allied Colleges with intake capacity of 4700 students.

B. Sc. (Hons) Agriculture

B.Sc. (Hons) Agriculture is a four-year degree programme spread over 8 semesters with 183 credit load. Total 143 course credits of B.Sc. (Hons) Agriculture degree has to be completed by the student upto first six semesters. In seventh semester, student has to participate in the Rural Agricultural Work Experience (RAWE) & Agro-Industrial Attachment programme of 20 credits, which exposes students to the rural life and farming situations and the constraints in adoption of modern technology by the farmers. In eighth semester, Experiential Learning programme is implemented under which the students undergo Hand-on-Training (HoT) in any two modules of 10 (0+10) credits. Under this university, seven constituent colleges and twenty-seven affiliated agricultural colleges offer B.Sc. (Hons) Agriculture degree programme.

B. Sc. (Hons) Horticulture

B.Sc. (Hons) Horticulture is a four-year degree course spread over 8 semesters. The total credit requirement for the B.Sc. (Hons) Horticulture degree Course is 182. In seventh and eighth semester Students READY (RHWE) programme is offered in order to place the students in the industry. It is implemented in one constituent college and five affiliated horticultural colleges of the university.

B. Tech. (Agril. Engg.)

B. Tech. (Agril. Engg.) degree programme is a four year year degree programme spread over 8 semesters with 183 credits. Students READY (RHWE) programme is implemented through In- Plant Training (0+10 credits), Industrial Attachment (0+10 credits), Experiential Learning (0+10 credits), Project Planning & Report Writing (0+10 credits) and Seminar (0+1 credits). This programme is offered at one constituent and eight affiliated colleges of the university.

B. Sc. (Hons) Agril. Business Management

B. Sc. (Hons) Agril. Business Management degree programme is a four year degree programme spread over 8 semesters. It is specially designed by considering all the best courses of various institutes and incorporating the requirements of agricultural sector in general and that of management aspects in particular. It is expected that pass outs will be able to deliver their expertise in financial marketing and management skills in Agriculture. Out of total 180 credits, 140 course credits has to be completed upto sixth semester. In seventh semester, 20 credits are recommended for any two module of 10 (0+10) credits Experiential Learning. In eighth semester, students are offered 20 credits for In-plant Training. The programme is implemented at one constituent and nine affiliated colleges of the University.

B. Tech. (Food Technology)

B. Tech. (Food Science and Technology) is a four year degree programme spread over 8 semesters. Out of total 183 credits, 145 course credits has to be completed upto sixth semester. In seventh semester 18 (3+15) credits are recommended for Students READY which includes Experiential Learning modules I & II of 7 (0+7) credits each and 4 (0+4) credits for Research Project & Seminar. In eighth semester, Students READY-In-plant training for 20 weeks in food industries / Institutes for 20 (0+20) credits is offered to the students.

The basic objective is to provide the skilled manpower for commercial food processing unit, R and D organizations, research and education institutes and quality control departments and to generate self employment opportunities to the youth in setting up of food processing units. The programme is implemented at seven affiliated colleges of the university.

B. Tech (Biotechnology)

B. Tech (Biotechnology) is a 4 year degree programme spread over 8 semesters having 186 credits. Biotechnology is integrated with various disciplines. This UG programme comprises four departments like Animal Biotechnology, Plant Biotechnology, Microbial & Environmental Biochemistry and Bioinformatics.

In VII semester Students READY- Experiential Learning Programme of 20 (0+20) credits is offered for specialized skill development. During VIII semester Student READY- Project Formulation & Entrepreneurial Development in Biotechnology (on/off campus) of 20 (0+20) credits is offered. There are six affiliated Biotechnology colleges under MPKV, Rahuri for developing human resource.



2.2 Master's Degree Programme

The University offers Master Degree at Post Graduate Institute, Rahuri, College of Agriculture, Pune, Kolhapur and Dhule; and Dr. A. S. College of Agricultural Engineering & Technology at Rahuri with an intake capacity of 376 students per year.

M. Sc. (Agri.) / M. Sc. (Hort.) / M. Sc. (Agril. Biotechnology) / M.B.A. (Agri.) / M. Tech. (Agril. Engg.)

The M.Sc (Agri) degree programme is a two years residential programme spread over 4 semesters. The credit load for the course is 55. Out of this, 35 credits are allocated for course work in which a student has to learn different courses appropriate to his specialization. The course work is split in the Major subjects (20 credits), Minor subjects (09 credits), Supporting subject (05 credits), Seminar (01 credit). It has total 35 credits. In addition, six non-credit compulsory courses are allotted. For dissertation, 20 credits are allocated for research project. Each student has an advisory committee, which assists the students in selection of courses and the research topic. The student has to undertake a field research experiment and submit the dissertation as partial requirement for the award of the degree. The intake capacity of students for M. Sc. (Agri.) Degree is 188 at Post Graduate Institute, MPKV, Rahuri, 90 at College of Agriculture, Pune, 54 at College of Agriculture, Kolhapur & 28 at College of Agriculture, Dhule. The intake capacity for M. Tech. (Agril. Engg.) at Dr. AS College of Agril. Engineering and Technology, Rahuri is 16.

2.3 Doctoral Degree Programme

The Post Graduate Institute and Dr. A. S. College of Agricultural Engineering & Technology, Rahuri offer the Doctoral level programmes in agricultural

science and engineering, respectively with an intake capacity of 84 students per year.

Ph. D. (Agriculture and Agricultural Engineering)

The Ph.D. degree programme is of three years with residential requirement spread over six semesters. The credit requirement for the course is 75; out of which 30 credits are for course work and 45 credits for research work. The course work is split into Major subjects (15 credits), Minor subjects (08 credits), Supporting subjects (05 credits), Seminar (02 credits), thus making the 30 credits. In addition, six non-credit compulsory courses are allotted. Research is the main component of Ph.D. degree programme where student has to undertake appropriate need based research by way of conducting field experiments or collection of data or both to fulfill his research objectives. Two experts from any of the SAUs in India independently evaluate the Ph.D. Dissertation. Each student has an advisory committee, which assists the student in the selection of courses and the research topic. The intake capacity of students for Ph.D Degree programme in Agriculture is 70 at Post Graduate Institute, MPKV, Rahuri & 02 at College of Agriculture, Pune. The intake capacity of students for Ph.D Degree programme in Agricultural Engineering at Dr. AS College of Agril. Engineering and Technology, Rahuri is 12. In addition, in-service candidates are allotted admission for Ph.D. degree programme.

2.4 Diploma

University offers Diploma in Agriculture Technology through its nine constituent and seventy-seven affiliated Agricultural Technical Schools with intake capacity of 60 students per year. Further, three years six semester english medium Agriculture

Polytechnic Diploma is offered with intake capacity of 40 students.

2.5 Certificate Course

University also offers Gardeners (Mali) Training Course of one year duration through its two constituent and three affiliated centers with annual intake of 40 students. Further, certificate course on Polyhouse Technology of six months duration is offered at High-Tech Floriculture Project, College of Agriculture, Pune

Faculty

There are two faculties to impart Agriculture education in this university namely

- Faculty of Agricultural Science
- Faculty of Agricultural Engineering

Faculty of Agricultural Science

Faculty of Agricultural Science is one of the faculties of the University. This faculty comprises of various 14 departments viz., Agricultural Botany, Agricultural Economics, Agricultural Entomology, Agricultural Extension & Communication, Agricultural Meteorology, Agronomy, Animal Husbandry and Dairy Science, Biochemistry, Food Science and Technology, Horticulture, Irrigation Water Management, Plant Pathology and Agricultural Microbiology, Soil Science and Agricultural Chemistry and Statistics.

The responsibility of this faculty is to implement the academic programmes viz., Under graduate [B.Sc. (Hons) Agriculture, B.Sc. (Hons) Horticulture, B.Sc. (Hons) ABM, B. Tech. (Agricultural Engineering), Post-Graduate (M.Sc. (Agri.) and Ph.D.), and Diploma in Agriculture (Agricultural Technology).

Faculty of Agricultural Engineering

Faculty of Agricultural Engineering comprises

5 departments viz., Agricultural Process Engineering, Farm Machinery and Power Engineering, Farm Structure and Rural Electrification, Irrigation and Drainage Engineering and Soil and Water Conservation Engineering.

This faculty is responsible for the various academic programmes viz., Under graduate [B.Sc. (Hons) Agriculture, B. Tech. (Agricultural Engineering)], Post-Graduate [M.Tech. (Agril. Engg.) and Ph.D.]. The faculty of Agricultural Engineering meets the educational needs in various fields viz., micro irrigation technologies, polyhouse, drainage engineering, groundwater, wells and pumps, soil and water conservation, watershed management, grain, fruit and vegetable storage and processing, unconventional energy sources, tractors, farm machinery and implements, computer applications, remote sensing and GIS.

Constituent Colleges

The University has eleven constituent colleges out of which seven colleges of agriculture sciences located at Pune, Kolhapur, Dhule, Nandurbar, Karad, Muktainagar and Halgaon; one agricultural engineering college at Rahuri; one college for horticulture at Pune and one agriculture business management college at Kashti, Malegaon. The University has the Post Graduate Institute at its Central Campus of Rahuri.

College of Agriculture, Pune



As a historical College, it is one of the first five agricultural colleges established in India, celebrated its centenary year in 2007. It has an annual intake capacity of 190 students for UG programme. Post-Graduate programme started in 1984. The intake capacity of M.Sc. (Agri), M.Sc. (Horti.) and MBA (Agri.) is 54, 6 and 30 respectively. Ph.D programme is offered in Agriculture Meteorology with an intake capacity of two students per year.

It offers PG degree programme in various subjects along with the recently started MBM (Agri.) degree. The college has national, international, renowned projects like a Hi-tech Floriculture Project, All India Coordinated Bio-control Project, Centre for Advanced Studies in Agro-meteorology, Biological Nitrogen Fixation Scheme, Agri-clinic and Agri-business Training Centre, All India Coordinated Mushroom Improvement Project, Fish & Prawns Farming Unit, Medicinal & Aromatic Plants Project and a well equipped nursery.

College of Agriculture, Dhule



It is located at the northern district of Western Maharashtra region. Established in the year 1960 it has an annual intake capacity of 128 students for UG programme. Post-Graduate programme was started from the year 2009-10. The intake capacity of M.Sc. (Agri) and M.Sc. (Horti.) is 24 and 4, respectively.

The college serves as a regional research centre for the northern part of the Maharashtra, with a focus on research on dry farming, cotton and groundnut. It has the units viz., Vermi compost, bio-fertilizers, bio-pesticides, Soil and Irrigation Water Analysis Lab, Organic Farming demonstration unit, Seed Production, Horticultural Nursery, Cattle, Sheep and Goat units, Watershed Field demonstration units, Irrigation Systems Demonstration plot etc.

Rajarshi Chhatrapati Shahu Maharaj College of Agriculture, Kolhapur



Kolhapur, the southernmost district town of Maharashtra State is one of the agriculturally advanced districts of the country with an excellent network of agro based industries and co-operative organizations. It is located on the Pune Bangalore National Highway and established in the year 1963. It was initially affiliated to the Shivaji University, Kolhapur. Subsequently it became the constituent college of the University in 1969. The college has celebrated its Golden Jubilee in the year 2013. Later, college is renamed as Rajarshi Chhatrapati Shahu Maharaj College of Agriculture in 2017. This college has annual intake capacity of 190 students for UG programme. It offers PG degree programme in various subjects. Post-Graduate programme was started from the year 2009-10. The intake capacity of M.Sc. (Agri) and M.Sc. (Horti.) is 48 and 6, respectively.

This college has projects such as Vermicompost, Bio-fertilizers, Bio-pesticides, Phule soft drinks, Soil and Irrigation Water Analysis Lab. One time controlled land application of Spent Wash, Fruit Crop Nursery for supply of seedlings and crop seeds, Soil and Water Engineering Field Laboratory are setup to aid students for learning.

College of Agriculture, Karad



College of Agriculture, Karad was established on the occasions of Birth centenary year (2013) of Hon. Ex-Chief Minister of Maharashtra Late Yashwantraoji Chavan. It started from the year 2013-14 with the intake capacity of 60 students. This college offers degree programme in B.Sc. (Hons) Agriculture. The College has newly established Administrative building, Library, Boys' and Girls' hostels, Students Amenity Complex, Playground and Instructional Farm.

College of Agriculture, Nandurbar



As per the initiatives and decision taken by Government of Maharashtra to establish Government Agriculture College in Scheduled Tribes populated districts (i.e. Nandurbar & Gadchiroli) under Tribal Sub

Plan Scheme, Government of Maharashtra Resolution dated 19th June, 2013 and University Resolution dated 06/08/2013 Government College of Agriculture, Nandurbar started on August 1, 2013. 80 % seats are reserved for Scheduled Tribes students.

This college offers degree programme in B.Sc. (Hons) Agriculture with an annual intake capacity of 60 students per year. It has newly established Administrative building, Library, Boys' and Girls' hostels, Students Amenity Complex, Playground and Instructional Farm.

College of Agriculture, Muktainagar

The College of Agriculture, Muktainagar is the newly established in 2015. The academic programme for B.Sc. (Hons) Agri degree course was started during the year 2015-16 with intake capacity of 60 students. The college offers degree programme in B.Sc. (Hons) Agriculture.

Punyashlok Ahilyadevi Holkar College of Agriculture, Halgaon

It was started from the academic year 2018-19 with an annual intake capacity of 60 students per year. It offers under graduate B.Sc. (Hons) Agriculture degree programme.

College of Horticulture, Pune



The college was established in the campus of College of Agriculture, Pune in 1984. The annual

intake capacity is 32 students. The college has its own building with well-developed classrooms, laboratories, LAN, computer & internet facilities.

College of Agriculture Business Management, Kashti, Malegaon

It was started from the academic year 2020-21 with an annual intake capacity of 40 students per year. It offers under graduate B.Sc. (Hons) Agriculture Business Management degree programme.

Dr. Annasaheb Shinde College of Agricultural Engineering & Technology, Rahuri



The college was established in 1969 after realizing the need for agricultural engineers for soil conservation, irrigation management, farm mechanization and post-harvest processing. In 1996, the college was named after the former Union Minister of State for Agriculture and the architect of green revolution in India, Late Dr. Annasaheb Shinde. The college offers the UG programme in Agril. Engg. with intake capacity of 64 and PG programme with intake capacity of 12 in three different disciplines in 1982. Dr. A. S. College of Agril. Engg. has recently started the Ph.D. in Agril. Engineering in the disciplines viz., Agril Process Engineering, Irrigation & Drainage Engineering and Soil Water Conservation Engineering.

In addition to the academic programmes, the

faculty has the following ongoing projects. All India Coordinated Research Project on Utilization of Groundwater through Wells and Pumps; Precision Farming Development Centre, AICRP on Farm Implement and Machinery, Remote Sensing Laboratory, and the Tractor Training Laboratory. The programme is implemented at eight affiliated colleges of the university.

Post Graduate Institute



The Post Graduate Institute was established in 1972 to meet the higher educational needs of agriculture in the State. At present the Post Graduate Institute offers Master and Doctoral degree Programme in 18 and 17 disciplines of Agriculture Faculty, respectively. The intake capacity of Master's and Doctoral programme is 188 and 70 respectively.

Each discipline of PG Institute is provided two classrooms with interactive smart classroom solution for teaching to Master and Doctoral degree programme students. In addition to classrooms, almost each discipline has well equipped Seminar hall to conduct presentation of student's seminar, group discussions etc. The Post Graduate Institute has an instructional farm spread over 56.21 ha. and is exclusively used for research activities of students. The students also have access for research on horticultural farm, medicinal and aromatic plants farm and irrigation water management farm. Each department has well equipped laboratories. In addition to these, the ultra modern facilities of

following centers are available to student's research: Biotechnology Research Centre, All India Network Project on Pesticide Residue, Micronutrient Research Scheme, Post-Harvest Technology Laboratory, Bio-fertilizer Laboratory, Frozen Semen Laboratory, Biological Control Laboratory, Bakery Unit.

Affiliated Colleges

Mahatma Phule Krishi Vidyapeeth, Rahuri realized the need and demand for more trained human resource in agriculture and accordingly provided affiliation to 62 colleges in the faculty of agriculture and allied science. These colleges offer various undergraduate degree programs in the faculty of agriculture.

Sr. No.	Stream	Number of Colleges	Intake Capacity
1	Agriculture	27	2820
2	Horticulture	05	240
3	Agricultural Engineering	08	440
4	Food Technology	07	400
5	Biotechnology	06	360
6	Agril. Business Management	09	440
Total		62	4700



University Library



The University Library, MPKV, Rahuri started functioning at Central Campus in the year 1971. Since its inception the library has developed tremendously under the Chairmanship of Library Advisory Committee and playing pivotal role in providing scientific and technological information to the students, teachers and scientists of both faculties i.e. Faculty of Agriculture and Faculty of Agricultural Engineering, as well as progressive farmers since last forty seven years. In this age of information technology, tremendous changes have taken place in library services.

Now a days University Library is rendering IT based services such as Internet, Retrieval of CD ROM Databases, e-mail, e-journals, online consortia (CeRA) etc along with conventional ones. The library has been equipped with digitization, e-resources, e-journals, Library Management software etc.

Library Budget

The University Library, Rahuri received the grants of Rs. 47.48 lakh for salary and Rs. 7.66 lakh for Contingent expenditure and University fund of 22.00 lakh 1st Installment and 38.48 lakh 2nd Installment from the ICAR grants New Delhi. This library received total grants of Rs. 115.52 lakh during the year under report.

Acquisition of Books and Journals

During the year under report the library received 498 books, 113 theses back volume 35, thus making total collection of 1, 13,524 as on March 31, 2021. The library is also receiving 14 journals against exchange of JMAU and 40 journals on gratis.

Library Services

- Open access
- Lending of Books for home reading
- Inter Library Loan facility
- Photocopying services
- Reading Hall facility

Internet services

- CD ROM Databases
- CeRA (Consortium of e-Resources in Agriculture)
- E-journals, On-line E-journals
- Statistical Database
- Viewing Video Cassettes, DVDs through TV/VCR
- KrishiPrabha: Krishikosh, e-granth etc.
- OPAC (Online Public Access Catalog)

Library Collection

Sr. No.	Particulars	University Library	College of Agriculture Library			Total
			Pune	Kolhapur	Dhule	
1	Books	74672	50300	41069	42403	208444
2	Back Volumes of Journals	27968	5161	4904	2600	40633
3	Theses	9884	314	330	213	10741
4	Current Periodicals	198	25	41	29	293
5	E- Resources	907	148	392	125	1572
	Total	113629	55948	46736	45370	261683

Centre for Advanced Agricultural Science and Technology for Climate Smart Agriculture and Water Management

Mahatma Phule Krishi Vidyapeeth, Rahuri received the prestigious World Bank Project of Indian Council of Agricultural Research under National Agricultural Higher Education Project (NAHEP) entitled “Centre for Advanced Agricultural Science and Technology for Climate Smart Agriculture and Water Management” (CAAST-CSAWM) with the main objectives.

1. To develop the capacity amongst the faculties and scientists for the development and adoption of the precise Climate Smart Agriculture and Water Management technologies.
2. To start the one year Post Graduate Diploma in “Climate Smart Agriculture and Water Management” for developing the human resources enabling them to start entrepreneurship and employable in public sectors and private industries, strengthen the current M.Sc., M. Tech. and Ph. D. programme (for their research projects); and make provision for the perspective beginner/middle level faculties/researchers for Post Doctorate studies in precision water management, precise climate smart

agriculture and Geo-informatics.

3. To develop an integrated system including RS/GIS and GPS tools, modeling and SDSS tools using unmanned aerial system (UAS drone) and sensor-based technologies; and mobile applications and their applications for climate smart and precision agriculture and water management.
4. To conduct end-to-end capacity building through on-the-job training and case study-based learning; enhance the employment and placement rate; and business and entrepreneurship opportunities.

The project with a total budget of Rs.20.00 Cr. was submitted under the leadership of Dr. K. P. Viswanatha, Vice-Chancellor, MPKV, Rahuri with contributions from Dr. A.L. Pharande, Dean (F/A) & Director of Instructions, MPKV, Rahuri, Dr. S. R. Gadakh, Director of Research & Director of Extension, MPKV, Rahuri and being implemented under administrative and technical control of Dr. A. L. Pharande, Dean (F/A) & Director of Instructions, MPKV, Rahuri by Dr. S. D. Gorantiwar, Principal Investigator and assisted by Dr. M. G. Shinde, Co- Principal Investigator and Dr. J. S. Pachpute, Co- Principal Investigator, CAAST-CSAWM, MPKV, Rahuri along with 22 faculty members and 22 Research Associate from different disciplines.



This project developed collaboration with different Universities from abroad namely, Washington State University, Pullman, WA, USA; Mississippi State University, Starkville, MS, USA; International Water Management Institutes (IWMI); Colombo, Sri Lanka (CGAIR Organization), Asian Institute of Technology, Bangkok, Thailand and Loughborough University, UK and National Institute and Organizations of repute namely, Indian Institute of Technology, Pawai, Mumbai; Indian Institute of Remote Sensing, Dehradun; National Institute of Abiotic Stress Management, Malegaon (Kh), Baramati, Central Research Institute for Dryland Agriculture (CRIDA), Hyderabad and National Bureau

of Soil Science and Land Use Planning, Nagpur for research, education and extension in climate smart agriculture and water management.

The thematic areas of the climate smart agriculture and water management are precision farm machineries for climate smart agriculture, application of robotics and drone in precision and climate smart agriculture, precision water management, automated irrigation system for climate smart agriculture, remote sensing, GIS and GPS, Google Earth Engine and Artificial Intelligence applications in climate smart agriculture and water management, climate resilient agriculture and climate smart villages.

Major achievements during 2020-21 are highlighted below

1. Capacity building of students and faculties through online mode during 2020-21

Sr. No.	Event	No.	Beneficiaries		
			Students	Faculties	Farmers
1.	International Training	05	3120	3128	-
2.	National Training	33	5108	5266	
3.	Farmers Training Programmes	10	-	-	4340
4.	National Workshops	16	3124	3124	-
5.	National Webinar/ symposium	12	5108	5266	-
6.	National Certificate course	03	157	97	
7.	Expert Lectures	54	3286	4964	-
Total		133	19903	21845	4340

2. Academic Programmes

a) The framework of the PG Diploma along-with the courses to be offered in each module has been finalized during eight Workshops and Brainstorming sessions conducted at MPKV, Rahuri and Pune campuses with 24 National and International partners. This Diploma is novel in the sense that it is module based. There are four modules spread over 52 weeks i.e. one year. Module -1 is of 10 weeks

duration; consisting of 3 courses of 3 weeks and followed by "Industry and Farmers Day". Module-2 and 3 are of 13 weeks duration each; consisting of 3 courses of 3 weeks duration each followed by project of 3 weeks duration. Module-4 is of 16 weeks duration followed by Project of 6 weeks duration. 71 courses of three weeks duration were developed for climate smart agriculture and water management in context of Natural Resources Management, Precision Agricultural Machineries,

Precision Irrigation Management and Protected Cultivation, Robotics, Drones and IoT, Geoinformatics and Social Science

- b) Started the Post Doctorate Research Programmes
- c) Finalized certificate courses
- d) Formulated the courses related to Climate Smart Agriculture and Water Management to be offered to the M.Sc/M. Tech and Ph. D. programmes as non-gradual or audit courses.
- e) Developed Drone/Robotics laboratories and up gradated RS & GIS and CAD-CAM laboratories.

3. Out of box research initiatives

A. Mobile and Web applications

1. Phule Irrigation Scheduler based Automatic Pump Controller (AutoPIS) mobile application

CAAST has developed IoT enabled Phule Irrigation Scheduler based Automatic Pump Controller (AutoPIS) mobile application for irrigation scheduling of single plot to Multiplot system with solenoid valves. This upgraded mobile application is useful for irrigation scheduling for multiplot system in a single field or farm including the component of the irrigation period of irrigation scheduling along with irrigation amount and to operate solenoid valves automatically for each plot in a multiplot system in a single field or farm for estimated time of operation.

2. Phule Soil Textural Triangle

The mobile and web application is developed to determine the exact type of soil based on the sand, silt and clay percentage. In this application, one can easily get the exact type of soil imputing the percentage of sand, silt and clay.

3. Smart weather mobile application and admin dashboard

The CAAST-CSAWM is developing different types of IoT-enabled Automatic Weather Stations that need to be integrated with the Android mobile application and to be available to end-users or farmers. The real-time and derived weather data on mobile applications is guiding the end-user or farmer in the planning of different farming operations, such as irrigation, fertigation, spraying, sowing, harvesting, etc. Also, CAAST-CSAWM, MPKV, Rahuri has developed a web application (Admin dashboard) to manage the different types of weather stations that will be installed at different locations or in a farmer's field. Admin of this web application is able to view, download and use the weather data for research purposes.

4. Teacher evaluation system (TES) An Android application with a Web-based Admin panel for Students' Attendance and teachers' performance evaluation

TES mobile application is developed to record the attendance of the students in the classroom using any one of the methods i.e. QR code, roll call or using NFC tags (as per facility provided by concerned college), and to obtain and record the feedback in terms of performance of respective classroom teaching faculty by students present in class in real-time. Higher authorities of the College and University can download the report about the performance evaluation of staff from admin panel, which will improve the quality of education in Agriculture.

B. RS and GIS related projects

1. Preparation of GPS-GIS based Soil fertility maps

GPS-GIS based soil fertility maps were prepared for the experimental field of CAAST project. The soils of



CAAST-CSAWM field are slightly to moderately alkaline in reaction and normal in electrical conductivity. The soils were found low to high in organic carbon, high to very high in calcium carbonate and bulk density was found good. The soils were very low to low in available nitrogen, low to moderate in available phosphorus and very high in available potassium. The results are helpful for planning different field experiments on CAAST-Field.

2. Evaluation of different vegetation Indices and their correlation with crop coefficient for Sugarcane under no water stress conditions

In this experiment, Twelve indices, namely ARVI, EVI, GDVI, GNDVI, GRVI, LAI, MSR, NDVI, NLI, OSAVI, TDVI, and VARI, found a significant correlation to Kc. GRDVI shows a very low correlation with Kc, and the Non-Linear Index shows very high correlation with Kc. NDVI also shows good co-relation with Kc, but in this particular investigation, NLI shows a high correlation with Crop coefficient (Kc) among all other Vegetation indices.

3. Erodibility status of soils in Ahmednagar district

Soil erodibility map of Ahmednagar district was prepared by IDW interpolation technique using ArcGIS software. Soil erodibility factor K indicates how likely a soil is to erode based on its physical and chemical properties. The study showed the erodibility of soils of Ahmednagar district. Soil erodibility in the district is varying from place to place. Soil erodibility factor of soils of Ahmednagar district varies from 0.27 and 0.37 t ha h/ ha MJ mm with mean value 0.31 t ha h/ ha MJ mm shows soils of the district are moderately high erodible. Soil erodibility factor map of Ahmednagar soils shows that maximum area of soil erodibility is found between 0.22 to 0.28 t ha h/ ha MJ mm. The soil erodibility map

of Ahmednagar district will help to predict soil erosion which would further help in decision making related to land management for minimization of soil loss.

4. Land use and land cover change detection mapping of Mula river basin using geospatial technology

The results indicate that the area shows a built-up area increasing trend by 6%. In comparison, water bodies remain constant as 3% area, and agriculture land/vegetation have decreased by 9% as compared to 2008. Such a kind of study helps to know the change detection of land use classes that can be used for planning.

C. Field experiments and technology developed

1. Development Simulation of Climate Change Impact on Chickpea (*Cicer arietinum*) and Wheat (*Triticumaestivum*) in Scarcity Zone of Western Maharashtra using DSSAT Model

In this experiment DSSAT model has used to predict the yield of all varieties with excellent to good RMSE values. Model runs to know the effect of weather parameter on growth and yield of wheat and Chickpea crops. In the changing weather and climate scenarios, there is a need to know the best cultivars for different weather conditions. The present study showed that, crop simulation model (DSSAT) is very useful in simulating yields for western Maharashtra.

2. Effect of sowing windows and varieties on thermal time requirement of soybean

Field experiment was carried out for two years during kharif, 2019 and 2020 at Mahatma Phule Krishi Vidyapeeth, Rahuri, Maharashtra with soybean varieties JS-335 and KDS-344 sown on four dates S1-MW-24 (11 June-17 June), S2-MW-26 (25 June-1 July), S3-MW-28 (9 July-15 July), S4 -MW-30 (23 July -29 July) in split plot design.

The shortening of the crop's duration of various growth phases might be due to the genetic makeup of variety and the total biomass reduction. The early sown crop 24th MW (S1) accumulated the highest heat units to reach various phenophases, decreasing with successively delayed sowing.

3. Climate Resilient Resource Conservation Technologies for Sustainable Sugarcane Production

The field experiment was conducted to evaluate the effect of micro-irrigation and sugarcane trash as energy smart technologies on growth, yield and quality of suru sugarcane, study the effect of irrigation and residue management practices on water use efficiency and soil properties, to study the Soil organic Carbon Sequestration under irrigation and residue management practices and to study the economics of water and energy-smart technology in suru sugarcane. The experimental results observed that among all the treatments, the average highest yield recorded in S4: (255.19 t ha⁻¹) as compared to other treatments highest target is achieved from this treatment under CAAST-CSAWM, Farm. In terms of economically above yield converted in terms of money, it's approximately Rs. 6.50 lakhs.

4. Design and development of real-time variable rate fertilizer applicator

CAAST-CSAWM has developed thereal-time variable rate fertilizer applicator. The developed technology hastheprecise real-time application of fertilizer according to the spatial variability of the field. Also, it helps in reducing the fertilizer use by around 10-25%. The developed technology will save the cost of production and protect the environment by reducing leaching.

5. Design and development of site-specific slurry applicator for orchid crops

The site-specific application of organic slurry for orchid crops can be made with the developed technology. It minimizes the labour force and increase the accuracy and time of operation due to automation. It saves the organic slurry as it applies only to the specific region (i.e. in the root zone). It increases the yield due to the proper use of slurry at the appropriate place. A repetitive application can be made precisely due to sensors.

6. Development of IoT enabled automatic weather station

CAAST has designed and developed the IoT enabled automatic weather station for recording the various weather parameters such as temperature, humidity, rainfall, radiation, windspeed, wind direction, etc. Using different sensors, which calculates the reference crop evapotranspiration (ET_r), will help precision irrigation water management. The developed technology is cost and time-efficient.

7. Monitoring of Wheat Crop Growth Stages during Rabi Season by using Hyperspectral Imaging Camera

The hyperspectral sensor data, particularly the imagery acquired at peak crop growth stages (i.e. when leaf area index (LAI) is high), provided valuable information for delineating within-field variability of crop growth and yield. Further analysis showed that the spatial patterns of crop growth conditions varied throughout the wheat crops' growth cycle, revealing different impacts of soil properties and water stress on the crops.

4. Knowledge Destination

- a) Developed Climate Smart Agriculture Blocks for research, experimentation and demonstration



- related to climate smart agriculture and water management.
- b) Implementing Climate Smart Village approach in eight selected villages and intern investigating the possibility scaling-up of climate smart agriculture and water management technologies.
 - c) Developed Village Level Contingency Crop Plan for seven adopted villages of Akole Block, Maharashtra.
 - d) Started the activities for developing the Buchkewadi in Junnar Tehsil of Pune digital village in context of the precision water management
 - e) Organized the training programme for building the capacity of the farmers for climate smart agriculture and precision water management.

Celebration of Krishi Din

Considering the importance of the day, the MPKV officials and faculties, members from the Alumni Association of Dr. ASCAET, MPKV, Rahuri, along with Peoples representatives of Gram panchayat, Krishi Sevak, Villagers and Farmers from Baburdi Ghumat, celebrated the Krishi din on July 01, 2020 by doing plantation of trees and also discussion on future activities to be taken in the village.

World Soil Day

The Centre for Advanced Agricultural Science and Technology for Climate Smart Agriculture and Water Management, MPKV, Rahuri celebrated the World Soil Day on December 05, 2020 on farmers field of Buchkewadi village of Junner Tahsil, Dist. Pune. Hon'ble Vice Chancellor Dr. A. S. Dhawan chaired the programme.

Visit of Dr. G. R. Chintala, Chairman, NABARD

Dr. G. R. Chintala, Chairman, NABARD visited

the adopted village Buchkewadi, Tal. Junnar, Dist. Pune on December 05, 2020. During this visit, he visited different fields in the village. Copies of KRISHI DARSHANI, a very popular and valuable diary of the university, were distributed to the farmers at the hands of Chairman, NABARD.

Innovation and Best Practices

- Initiated ICAR Best Teacher Award
- Identified 29 Adjunct Faculty in the discipline of agriculture and allied science.
- Established ten economically viable Experiential Learning Modules to enhance the confidence and competence of students for starting up-their own enterprises. University Resolution for Profit Sharing of Experiential Learning Module is issued for execution.
- Developed National/International linkages with academic institutes provide Fellowships and Scholarships to students for education, research and opportunity to study abroad.
- Placement Cell is established at each constituent college.
- Competitive Exam Forum has been activated at each constituent college to encourage the students' participation in ARS / JRF / SRF / NET / GATE examinations.
- UG/PG Merit award is provided to students in respective faculty.
- Students are motivated for participation in Avhan, Ashwamedh, Indradhanushya and Avishkar for development of the students in disaster management, sports, cultural activities and inculcation of research aptitude respectively



Educational Institutes

Sr. No.	Name of Institute	Name of the Course/ Degree	Intake capacity
A) Constituent Colleges			
1.	Post Graduate Institute, Rahuri	Ph.D. (Agriculture)	70
		M.Sc. (Agri.)	159
		M.Sc. (Hort.)	12
		M.Sc. (Bio-tech.)	08
2.	College of Agriculture, Pune	M.Sc. (Agri.)	60
		M.Sc. (Hort.)	06
		M.B.M. (Agri.)	30
		B.Sc. (Hons) Agriculture	190
3.	Rajshri Chatrapati Shahu Maharaj College of Agriculture, Kolhapur	M.Sc. (Agri.)	48
		M.Sc. (Hort.)	06
		B.Sc. (Hons) Agriculture	190
4.	College of Agriculture, Dhule	M.Sc. (Agri.)	24
		M.Sc. (Hort.)	4
		B.Sc. (Hons) Agriculture	128
5.	College of Agriculture, Karad, Dist. Satara	B.Sc. (Hons) Agriculture	60
6.	College of Agriculture, Nandurbar	B.Sc. (Hons) Agriculture	60
7.	College of Agriculture, Muktainagar, Dist. Jalgaon	B.Sc. (Hons) Agriculture	60
8.	Punyashlok Ahilyadevi Holkar College of Agriculture, Halgaon	B.Sc. (Hons) Agriculture	60
9.	College of Agril. Business Management, Kashti, Tal. Malegaon, Dist. Nashik	B.Sc. (Hons) Agril. Business Management	40
10.	College of Horticulture, Pune	B.Sc. (Hons) Horticulture	32
11.	Dr. Annasaheb Shinde College of Agril. Engg. and Tech., Rahuri	Ph.D. (Agril. Engg)	12
		M. Tech. (Agril. Engg)	16
		B.Tech. (Agril. Engg)	64
B) Affiliated Colleges			
1.	College of Agriculture, Akulj	B.Sc. (Hons) Agriculture	120
2.	College of Agriculture, Baramati	B.Sc. (Hons) Agriculture	180
3.	College of Agriculture, Sonsal Hingangaon, Kadegaon	B.Sc. (Hons) Agriculture	120
4.	Maratha Vidya Prasarak, College of Agriculture, Nasik	B.Sc. (Hons) Agriculture	120
5.	College of Agriculture, Rethare, Karad	B.Sc. (Hons) Agriculture	120
6.	College of Agriculture, Sonai	B.Sc. (Hons) Agriculture	180
7.	K.K.Wagh College of Agriculture, Nasik	B.Sc. (Hons) Agriculture	120
8.	College of Agriculture, Rajmachi, Karad	B.Sc. (Hons) Agriculture	120



9.	Dr.Ulhas Patil College of Agriculture, Jalgaon	B.Sc. (Hons) Agriculture	120
10.	College of Agriculture, Ambi, Talegaon Dabhade	B.Sc. (Hons) Agriculture	120
11.	College of Agriculture, Shahada, Nandurbar	B.Sc. (Hons) Agriculture	120
12.	College of Agriculture, Wadala	B.Sc. (Hons) Agriculture	120
13.	College of Agriculture, Talsande	B.Sc. (Hons) Agriculture	120
14.	College of Agriculture, Phaltan	B.Sc. (Hons) Agriculture	120
15.	College of Agriculture, Amalner	B.Sc. (Hons) Agriculture	60
16.	College of Agriculture, Maldad, Sangamner	B.Sc. (Hons) Agriculture	120
17.	Sadguru College of Agriculture, Mirajgaon	B.Sc. (Hons) Agriculture	120
18.	College of Agriculture, Dondaicha, Dhule	B.Sc. (Hons) Agriculture	180
19.	College of Agriculture, Babhulgaon, Nashik	B.Sc. (Hons) Agriculture	60
20.	College of Agriculture, Pravaranagar, Loni	B.Sc. (Hons) Agriculture	60
21.	College of Agriculture, Ghargaon, Ahmednagar	B.Sc. (Hons) Agriculture	60
22.	Sharad College of Agriculture, Jainapur	B.Sc. (Hons) Agriculture	60
23.	College of Agriculture, Paniv, Solapur	B.Sc. (Hons) Agriculture	60
24.	College of Agriculture, Vilad Ghat, Ahmednagar.	B.Sc. (Hons) Agriculture	60
25.	College of Agriculture, Nesari, Kolhapur	B.Sc. (Hons) Agriculture	60
26.	College of Agriculture, Malegaon, Nashik	B.Sc. (Hons) Agriculture	60
27.	College of Agriculture, Bhanashiwra, Newasa, Ahmednagar	B.Sc. (Hons) Agriculture	60
28.	College of Horticulture, Phaltan	B.Sc. (Hons) Horticulture	80
29.	College of Horticulture, Sonsal-Hingangaon, Kadegaon	B.Sc. (Hons) Horticulture	40
30.	K.K.Wagh College of Horticulture, Saraswatinagar, Nashik	B.Sc. (Hons) Horticulture	40
31.	College of Horticulture, Malegaon	B.Sc. (Hons) Horticulture	40
32.	College of Horticulture, Paniv, Solapur	B.Sc. (Hons) Horticulture	40
33.	College of Agri. Engineering, Jalgaon	B.Tech (Agril. Engg.)	80
34.	College of Agri. Engineering, Talsande, Hatkangale	B.Tech (Agril. Engg.)	80
35.	K. K. Wagh College of Agril. Engineering, Nasik	B.Tech (Agril. Engg.)	80
36.	College of Agril. Engineering, Yashwantnagar, Karad, Satara	B.Tech (Agril. Engg.)	40
37.	College of Agril. Engineering, Mirajgaon, Ahmednagar	B.Tech (Agril. Engg.)	40
38.	College of Agril. Engineering, Paniv, Soalpur	B.Tech (Agril. Engg.)	40
39.	College of Agril. Engineering, Maldad, Sangamner	B.Tech (Agril. Engg.)	40
40.	College of Agril. Engineering, Rajmachi, Karad	B.Tech (Agril. Engg.)	40
41.	Mokashi College of Food Technology, Rajmachi, Karad	B.Tech. (Food Tech.)	80
42.	K.K.Wagh College of Food Technology, Nashik	B.Tech. (Food Tech.)	80
43.	College of Food Technology, Maldad, Sangamner	B.Tech. (Food Tech.)	80
44.	College of Food Technology, Jalgaon	B.Tech. (Food Tech.)	40



45.	College of Food Technology, Diwanmala, Dhule	B.Tech. (Food Tech.)	40
46.	College of Food Technology, Wagholi, Pune	B.Tech. (Food Tech.)	40
47.	College of Food Technology, Ghargaon, Ahmednagr	B.Tech. (Food Tech.)	40
48.	College of Agril. Biotechnology, Loni, Rahata	B.Tech. (Biotechnology)	80
49.	K.K. Wagh College of Agril. Biotechnology, Nasik	B.Tech. (Biotechnology)	80
50.	College of Agril. Biotechnology, Wadala, Solapur	B.Tech. (Biotechnology)	40
51.	Modern College of Agri. Biotechnology, Paud, Mulshi, Pune	B.Tech. (Biotechnology)	40
52.	College of Agriculture Biotechnology, Madadgaon, Ahmednagar	B.Tech. (Biotechnology)	80
53.	College of Agriculture Biotechnology, Baramati	B.Tech. (Biotechnology)	40
54.	College of Agricultural Business Management, Akurdi, Pune	B.Sc. (Hons) Agril. Business Management	80
55.	College of Agricultural Business Management, Narayangaon, Junnar	B.Sc. (Hons) Agril. Business Management	80
56.	College of Agricultural Business Management, Sangli	B.Sc. (Hons) Agril. Business Management	40
57.	College of Agricultural Business Management, Gunjalwadi, Sangamner	B.Sc. (Hons) Agril. Business Management	40
58.	College of Agricultural Business Management, Loni, Rahata	B.Sc. (Hons) Agril. Business Management	40
59.	College of Agricultural Business Management, Nashik	B.Sc. (Hons) Agril. Business Management	40
60.	College of Agricultural Business Management, Wadala, Solapur	B.Sc. (Hons) Agril. Business Management	40
61.	College of Agricultural Business Management, Baramati	B.Sc. (Hons) Agril. Business Management	40
62.	College of Agriculture Business Management, Paniv, Solapur	B.Sc. (Hons) Agril. Business Management	40
C) Agril. Tech. Schools & Mali Training, Centers		Course	Intake
1.	Krishi Tantra Vidyalaya, Manjarifarm (Pune), Kolhapur, Dhule, Borgaon (Satara), Solapur, Digras (Sangali), Puntamba (Ahmednagar), Jalgaon, Malegaon (Nashik)	Agril. Diploma	60 (Each)
2.	Affiliated Agril Tech. Schools (Total - 72)	Agril. Diploma	60 (Each)
3.	Affiliated Agril Polytechnics (1)	Agril. Polytechnics Diploma	40
4.	Mali Training Center, GaneshKhind, Pune and MPKV, Rahuri	Certificate Course	40 (Each)
5.	Affiliated Mali Training Center (Total - 03)	Certificate Course	40 (Each)



Passout Students of Graduate, Post Graduate, Agril. Diploma & Agril. Polytechnic of MPKV, Rahuri (Academic year 2020-21)		
Sr.No.	Programme	Passout Students
Graduation		
1.	B.Sc. (Agri.)	3742
2.	B.Sc. (Horti.)	246
3.	B.Tech. (Agril. Engg.)	468
4.	B.Tech. (Food Technology)	453
5.	B.Sc. (ABM)	404
6.	B.Sc. (Agril. Bio.Tech.)	301
7.	B. Sc (Animal Hus.)	28
	Total	5642
Ph.D. and Post Graduation		
8.	Ph.D.	34
9.	M.Sc. (Agri.)	109
10.	M.Sc. (Horti.)	10
11.	M.Tech. (Agril. Engg.)	15
12.	MBA (Agri.)	01
13.	M.Sc. (Bio.Tech.)	02
	Total	171
Agril. Diploma & Agril. Polytechnic		
14.	Agril. Diploma	2005
15.	Agril. Polytechnic	3233



3. Research



The jurisdiction of Mahatma Phule Krishi Vidyapeeth, Rahuri extends over the Western Maharashtra comprising of 10 districts divided into four agro climatic zones viz., Western Ghat Zone, Sub-montane zone, Plain zone and Scarcity with assured rainfall falls in Central Plateau zone in jurisdiction of the university.

For conducting the research on soil, climate, cropping system, livestock and other aspects of farming business, the university has a well established network of research stations spread over different agro climatic zones. In all, 27 research stations are located in 5 agro climatic zones. The State level Crop Specialists are placed at Jalgaon (Oilseeds), Padegaon (Sugarcane), Niphad (Wheat) and Solapur (Soils). In addition to this, 4 Zonal Agricultural Research Stations are located at Igatpuri, Pune, Kolhapur and Solapur. There are 18 sub-research stations, where mainly verification of research work is being done to test the technologies developed by the university as well as to conduct the research programmes based on feedbacks received from the farmers.

At present, there are 82 non-plan schemes funded by State Govt., 45 AICRPs on different crops /plant sciences and one centrally sponsored research scheme and 31 ad-hoc research projects, functioning in the jurisdiction of MPKV.

Taking into consideration the availability of land, weather conditions and resources, the university has concentrated its efforts to develop suitable technologies for dryland agriculture, irrigated farming as well as for hi-tech agriculture. During the last 53 years, the university has

released quite good number of high yielding varieties (more than 270) of cereals, pulses, oilseeds, vegetables, sugarcane, fruits, flowers and other cash crops. The appropriate agrotechniques for enhancing agricultural production and productivity of different crops have also been passed on to the farmers. The contribution of university in water management is quite significant. The research on micropropagation, farm machinery, dryland horticulture, integrated pest and nutrient management including biofertilizers, mushroom production etc. is worth mentioning. The university has focussed its attention on location specific and need based research activities in order to cater the needs of all types of farmers and farming groups. Biotechnology with its vast potential and challenges is important to agricultural development. This university is developing biotechnological competence in the areas of plant tissue culture, molecular biology, biocontrol, and biofertilizers. The university has also prepared next 10 years research roadmap regarding development of improved crop varieties and farm implements and machinery. Furthermore, the University prioritizing its research on biotic and abiotic stress management, precision farming, processing and mechanical harvesting, bio-pesticides and fertilizers, nutritional and quality parameters. We have initiated the activities as per the policies of the state and central governments in mission mode. These includes natural resource management for soil health and water use efficiency, development of robotic technology in the field of agriculture, use of nano technology, irrigation water management based on automatic weather station at its IT applications.

The sweet Sorghum variety CSH- 47 having high biomass hybrid suitable for ethanol, biofuel and silage making and Wingedbean variety PWB 11-2 (Phule Chardhari Wal) having high pod yield and protein content are recently dedicated to the nation by Hon. Prime Minister of India during the report period.



Zonal, State Level, Lead and Verification Research Stations of the University

Sr. No.	Research Station	Lead Function (s)	Verification Function (s)
A. Western Ghat Zone			
1.	Zonal Agril. Research Station Igatpuri, Dist. Nasik	Rice, Niger, Silviculture, Soil Water Conservation Engineering Rice, Niger, Silviculture, Soil Water Conservation Engineering	Ragi, Beans, Rainfed fruits, Plantation crops, Turmeric Ragi, Beans, Rainfed fruits, Plantation crops, Coffee, Turmeric
2.	Agril. Research Station, Lonavala, Dist. Pune	Rice (Screening for blast)	--
3.	Regional Wheat Rust Research Station, Mahabaleshwar, Dist. Satara	Wheat (Screening against rust)	Vegetables (cruciferous), Berries
4.	Agril. Research Station, Radhanagari	Paddy	Beans, Wheat, Wal
B. Sub-Montane Zone			
1.	Zonal Agril. Research Station, Kolhapur	Sugarcane, Jaggery Maize, Small Millets, Pandharpuri Buffalo, Horticultural Systems, Sugarcane,	Sugarcane based Cropping System Grasses, Rainfed fruits & Vegetables, Soybean, Groundnut, Organic Farming in Vegetables
2.	Regional Sugarcane and Jaggery Research Station, Kolhapur	Sugarcane, Jaggery	Sugarcane based Cropping System
3.	Agril. Research Station, Gadhinglaj	Organic farming, Basmati Rice	Sorghum (K), Pulses, Chilli, and Oilseeds
4.	Agril. Research Station, Karad	INM for Cropping Systems	Pulses, Maize, Kharif Jowar, Soybean, Sunflower, Groundnut,
5.	Agril. Research Station, Vadgaon Maval	Rice	Rice based Cropping System.
C. Plain Zone			
1.	Zonal Agril. Research Station, Ganeshkhind, Pune	Wheat, Wheat based Cropping Systems Fruits, Vegetables, Flowers, Rajmah Bean, Spices, Plantation Crops, AICRP on Potato	Pearl millet, Pulses and Oilseeds Pulses, Oilseeds and Wheat
2.	Agril. Research Station, K. Digraj, Dist. Sangli	Turmeric, Soybean, Groundnut Betelvine, Problematic Soils	Kharif Jowar, Pulses Sugarcane, Sugar beet,
3.	Agril. Research Station, Niphad	Wheat, Wheat based Cropping Systems	Pearl millet, Pulses and Oilseeds
4.	Onion and Grape Research Station, Pimpalgaon Baswant	Grapes, Onion and Garlic	Pomegranate and Vegetables



D. Scarcity Zone			
1.	Zonal Agril. Research Station, Solapur	Pulses, Oilseeds Soils, Dry farming, Safflower Agrometeorology, Sunflower	Arid Zone Fruit Crops Pearl millet, Pulses, Sorghum (R)
2.	Agril. Research Station, Mohol, Dist. Solapur	Sorghum (R)	Pulses and Oilseeds
3.	Agril. Research Station, Jeur, Dist. Solapur	Organic Farming System	Rabi Jowar, Pulses
4.	Pulses and Oilseed Crops Research and Training Centre, Pandharpur, Dist. Solapur	Pulses, Oilseeds	Arid Zone Fruit Crops
5.	Agril. Research Station, Chas, Dist. Ahmednagar	--	Dry farming, Pearl millet, Pulses (K), Sorghum (R)
6.	Central Sugarcane Research Station, Padegaon, Dist. Satara	Sugarcane, Sugarcane based Farming & Cropping System	Sugar beet
7.	Central Campus, Rahuri	Sorghum, Pulses, Irrigated Cotton, Forages, Grasses, Groundnut (S), Fruits, Vegetables, Cropping System, Water Management, Organic Farming, IPM, Biotechnology, PHT, Farm Machinery, STCR, Cattle, Goat, Sheep, Seed technology, Jute and Under utilised crops	--
8.	Agril. Research Station, Savlivihi Farm, Tal. Kopargaon, Dist. Ahmednagar	Sunflower	Pearl millet, Pulses, Soybean, Cotton and Wheat
9.	Agril. Research Station, Shirampur	Citrus	--
10.	Agril. Research Station, Dhule	Dry farming, Pearl millet, Grasses	Sorghum (K), Pulses, Oilseeds, Rainfed Cotton, Arid Zone Fruit Crops
11.	All India Coordinated Fig and Custard apple Research Centre, Jadhavwadi (Pune)	Fig and Custard apple	Fig and custard apple
12.	Pomegranate Research and Technology Extension Centre, Lakhmapur, Dist. Nasik	Pomegranate	Pomegranate
E. Central Plateau Zone			
1.	Oil Seed Research Station, Jalgaon	Oilseeds, Banana and Betelvine, Rainfed Cotton	Pulses, Sorghum (Kharif), Soybean, Sunflower



Maharashtra has four geographic regions viz., Konkan, Western Maharashtra, Vidarbha and Marathwada, which have different ecological and cropping patterns. On the basis of weather and land conditions, Maharashtra is divided into nine agroclimatic zones viz., North Konkan, South Konkan, Montane Zone, Sub-montane zone, Plain Zone, Scarcity Zone, Central Plateau Zone, Western Vidarbha and Eastern Vidarbha. To cater the needs of these zones and improve the production and productivity of different crops, this university has planned various research and extension programmes. Emphasis is given on sustainable agriculture, including poultry, sheep and goat rearing, apiculture, fisheries, sericulture etc. The university has also initiated a project on 'Deshi cow research and training centre' for improvement in breeds of deshi cows and providing the training to entrepreneurs and farmers. The efforts are also made for production of cattle (Sahiwal, Gir, Red Sindhi, Rathi and Tharparkar) calves through Embryo Transfer

Technology.

The areas have been identified for better adaptation of cropping patterns such as sugarcane in Kolhapur, Sangli, Pune and Ahmednagar, grapes in Nashik, Sangli, Pune and Solapur, fruits in Pune, Ahmednagar, Sangli and Solapur district to harvest maximum yield and profit.

Seed production Programme

Sr. No.	Input	Production
1	Seed Production	
	University farm	9,796 q
	Farmers participatory	11,793 q
	Pulses Seed Hub	3,302 q
	Total	24,891 q
2	Planting Material (No. of grafts)	11.09 Lakhs
3	Biopesticides	52.42 MT & 700 Lit.
4	Biofertilizers	46.25 MT & 7050 Lit
5	Micronutrient formulation	11,500 L

4. Extension Education

Extension education is one of the important mandates of the university. The Directorate of Extension Education (DEE) was set up in 1981 with objectives to conduct extension education activities viz., capacity development of all stakeholders including farmers in different agro-ecosituations, to assess and refine the latest agricultural technologies through on farm trials for location specific applications, to demonstrate the improved technology on the farmer's fields, to show the advantages and benefits of improved technology i.e. result demonstration and to solve local problems in the light of research findings and getting feedback for strengthening research and to provide farm information services through various extension activities. The Directorate of Extension Education was set up in 1981 with following objectives:-

- To initiate, plan, organize and implement all extension education programmes and activities under University jurisdiction.
- To provide farm information services through various extension activities
- To solve local problems in the light of research findings and getting feedback for strengthening research.
- To conduct short and long duration trainings for the benefit of farming community in different agro-ecosituations.
- To assess and refine the latest agricultural technology through front line demonstration for its wider adoption through different extension agencies.
- To co-ordinate the extension education activities in the jurisdiction of University.

- To establish co-ordination between Communication Center, Regional Extension Centers, District Extension Centers and Agricultural Technology Information Center functioning.
- To organize the Farmers Rallies & Exhibitions for technology dissemination.

In addition to this, Directorate performs activities like co-ordination of extension education activities in the jurisdiction of University through its various units viz., Agricultural Technology Information Centre (01), Regional Extension Centres (04), District Extension Centres (05), KrishiVigyanKendras (17) and College Extension Blocks (03) performs this pivotal activity by organizing on campus and off campus extension programmes viz., Training programmes, FLDs, Farmers Rallies, Field Visits, Diagnostic Team Visits, On Farm Trials, Exhibitions, Field days etc. for transfer of technologies and collecting feedback.

1. Regional Extension Centres (REC) / District Extension Centres (DEC)

The Regional Extension Centres (2000) and District Extension Centres (2006) have been established in the University jurisdiction to test and transfer the improved technology from time to time in adjoining areas of respective research and educational Institutes. Four RECs are started at the constituent college's viz., Pune, Dhule, Kolhapur and one at Central Campus, Rahuri. Five District Extension Centres (DECs) have been started at different research stations viz., Jalgaon, Padegaon (Satara), Solapur, Digraj (Sangli) and Niphad (Nashik). The RECs consists of four SMS in the subject of Agronomy, Animal Husbandry, Horticulture and Plant protection. These Regional Extension Centres are headed by Associate Professor of Agronomy designated as a Extension



Agronomist. The activities of each REC are governed by Extension Agronomist at regional level which is technically controlled by Director of Extension Education. In each Regional Extension Centres Extension, Agronomist, one Steno and one Driver are working under the T and V Scheme are merged with Extension Education Scheme which is having four Subject Matter Specialists in the discipline of Agronomy, Horticulture, Plant Protection and Animal Science and Dairy Science. These Regional Extension Centres and District Extension Centres does not have separate funding hence University is providing funds from revenue receipts for organization of Extension Activities in their Operational areas. These RECs and DECs are having coordination with Agriculture Technology Management Agency (ATMA) and District Superintending Agriculture Officer (DSAO) for implementation of various Agriculture Programmes for district and also organizing Monthly District Workshop in every month.

The staff under the RECs and DECs usually undertakes activities relating to transfer of technology in the adjacent areas. The activities like monthly district workshops, fortnightly trainings, and demonstrations on farmer's fields, farmers' rallies and technical guidance to farmers are also organized by the centre. Every Regional Extension Center and District Extension Centre are provided with Mobile Crop Dispensary Van with the facilities to undertake soil and water analysis, diagnosis of diseases, insect, pest instantly on the spot in different villages.

2. Krishi Vigyan Kendras (KVKs)

There are seventeen KVKs in the jurisdiction of the University. Out of the total KVKs 13 KVKs are operated by the NGOs, one of Yashwantrao Chavan

Maharashtra Open University (YCMOU) while, 4 KVKs viz., KVK-Dhule, KVK-Mohol (Solapur), KVK-Borgaon (Satara) and KVK-Mamurabad Farm (Jalgaon) are directly under the control of the University. These KVKs have been established with the mandates to organize need-based training in agriculture and allied enterprises to practicing farmers, farm women, rural youth and extension functionaries; to conduct front line demonstrations on farmers' fields on various crop production technologies; to conduct on farm trials/adaptive trials in agriculture and allied enterprises based on location specific problems and to organize different extension activities to disseminate the technologies.

3. Agricultural College Development Block

Practical training in extension education is being given to the students in College Development Blocks. There are about 60 to 100 villages attached to constituent colleges' viz., Pune, Dhule and Kolhapur. The College Development block also serves as a laboratory to transfer the improved technology developed by the university. The viability and usefulness of technology developed by the university is tested under different field conditions and farming situations. The field staff working at different blocks provides guidance and help to the farming community. The extension staff also extends the efforts to evaluate and record the expected social and economical changes among farmers. The planning and implementation of extension programmes is carried out by the Department of Extension Education at different colleges.

4. Agricultural Technology Information Centre (ATIC)

The National Agricultural Technology Project (NATP) provided funds to establish Agricultural Technology Information Centre (ATIC), single window



delivery dissemination and supporting system in 2001 at MPKV, Rahuri. The extension activities like field visits, replying the queries of the farmers and other stakeholders, diagnostic services in coordination with the other departments of University are being performed by the ATIC. Besides, the seed and seedlings, processed products and publications are also sold through ATIC to the end users. Helpline, Kisan Call Centre, separate website and Video Conferencing Unit have started its functioning in this centre for solving the problems of the farmers. The ATIC provides diagnostic services, organizing and participating in Monthly District Workshops and giving advisory services.

Objectives

The center is functioning with the following objectives

- To provide greater coordination and intensive interaction between the researchers and technology users beyond individual units of research institutions in contributing towards the dissemination of information.
- To serve as a "Single Window System" with an objective to help Farmers and other stakeholders such as Farmer-Entrepreneurs, Extension workers, Development agencies, Non-Government Agencies (NGOs) and private sector organizations to providing solutions to their location- specific problems in agriculture and make available all the technological information along with technology inputs and products for testing and use by them.
- To build up required confidence among farmers and to strengthen linkage between the University and the farmers.
- To provide diagnostic and advisory services such as soil and water testing, plant and livestock health diagnosis and advisory services accordingly.
- To sale and distribute improved products emerging as a result of research being done at SAU's like seeds, planting materials, livestock breeds, fish seed, poultry trains and processed products etc.
- To provide an overview of improved technology through published literatures and other communication materials.
- To overcome technology dissemination loss by providing direct access of farmers to improved expertise as well as technological products.
- To provide an opportunity to University to have resource generation through sale of their technologies.
- Participation in state festivals & exhibitions.

Diagnostic and Advisory service

- Diagnosis of plants/crops problem
- Management of field problems
- Analysis of soil samples
- First hand information to approaching farmers

5. Press, Publicity and Publications

The Communication Centre of Mahatma Phule Krishi Vidyapeeth, Rahuri was established in May 1982 for effective use of mass media in transfer of technology. The unit produces different type of farm literature, publicity of news items and involved in organization of exhibitions, facilitating broadcasting of Agril. Programmes for transfer of technology through All India Radio, Doordarshan and Private Channels. The centre publishes Krishi Darshani, an annual farm diary which is very popular among the farmers. Besides Shri Sugi, a periodical is published before every season of the year. Also an e news-MPKV Happenings and e-Varta are published regularly. Besides DVDs of various crops are prepared by this centre. A Printing Press is also operated by the centre for printing work.



Mechanisms for Research-Extension Linkage

- Joint Agresco
- Zonal Agricultural Research & Extension Advisory Committee (ZAREAC)
- Monthly District Workshops
- Training Programmes
- Diagnostic Team Visits

Extension Outreach Programmes

• ICAR Farmer FIRST programme

The ICAR Farmer FIRST programme entitled “Socio-Economic Empowerment of Farmers through Farming System Interventions for Sustainable Agriculture Development in Ahmednagar District” has been sanctioned to MPKV, Rahuri from 2016-17. The project is being implemented in Chinchvhire and Kangar villages on the theme Integrated Farming Systems. Various extension programmes are being undertaken through this project for the socio-economic development of farmers.

• ProSoil Project

The ProSoil Project is being implemented in MPKV, Rahuri jurisdiction is collaborating with GIZ, India and MANAGE, Hyderabad on developing and strengthening digital agricultural advisory service and disseminating the agro-advisories through the digital platforms developed by GIZ and MANAGE, Hyderabad since 2016- 17. The NICESSM digital platform was strengthened in Pro-Soil Project which is being implemented on pilot basis in 13 villages of 2 blocks in 2 districts namely Ahmednagar and Dhule comprises Parner and Sakri block respectively. The MPKV has identified a team of 19 MPKV scientists as Content Validators and 9 Subject Matter Specialists from KVKs as a Content Creators and one IT Network

Server and Website Co-ordinator. At present we are reached more than 19,000 farmers and disseminated More than 1.5 lakh agro advisories, in the form of queries’ solution, SMS, posters, video URLs and documented through this NICESSM agro advisory platform.

Major extension activities

Awareness about agricultural interventions during COVID-19 and Kharif Planning: An Online training programme on “Awareness about agricultural interventions to be implemented in Coronavirus disease (COVID-19) pandemic situation by farmers and kharif planning” was organized by the Mahatma Phule Krishi Vidyapeeth, Rahuri under the ICAR Farmer FIRST programme in coordination with the State Department of Agriculture, M. S. on April 29, 2020. Vice Chancellor Dr. K. P. Viswanatha presided over the programme. Dr. Lakhan Singh, Director, ICAR-ATARI, Zone-VIII, Pune, Dr. S. R. Gadakh, Director of Research and Extension Education, MPKV, Rahuri participated in the programme. The university scientists guided on kharif planning, dairy management in COVID-19 situation and innovative young farmers shared their marketing experiences (Farm to Consumer) regarding sale of grapes, poultry birds and tomato processing, respectively. Around 50 farmers took advantage of this online training programme.

Kharif Pik Parisanwad Programme : An Online Kharif Pik Parisanwad Programme on “Technological Interventions for Kharif Crops in Coronavirus disease (COVID-19) pandemic situation by farmers” was organized by the Mahatma Phule Krishi Vidyapeeth, Rahuri in coordination with the State Department of Agriculture, M. S. on May 21 -22, 2020. Vice Chancellor Dr. K. P. Viswanatha presided over the programme. Shri. Dadaji Bhuse, Hon’ble Minister of Agriculture and Ex. Soldiers Wefare, MS was the chief guest.

Dr. S. R. Gadakh, Director of Research and Extension Education, MPKV, Rahuri guided in the programme. The university scientists guided on various kharif crop technologies. In all large number farmers took advantage of this online training programme.

Krishi Din and Krishi Sanjavini Saptah programme

- **The Krishi Din and Krishi Sanjavini Saptah** programme of the Government of Maharashtra was organized during July 1 to 7, 2020 by MPKV, Rahuri in coordination with the State Department of Agriculture, M. S. in the university jurisdiction. This programme was organized in memory of Former Chief Minister of Maharashtra Late Vasantrao Naik and under the guidance of Shri. Dadaji Bhuse, Hon'ble Minister of Agriculture, Govt. of Maharashtra. The planning and guidance of this important programme at university level in all 112 talukas was executed under the guidance of Vice Chancellor Dr. K. P. Viswanatha and Dr. S. R. Gadakh, Director of Research and Extension Education. One scientist of the university was given the responsibility for each taluka for coordinating with the Agriculture Department. A total of 180 programmes with the participation of 27150 farmers and involvement of 618 university scientists and 3377 staff of Agriculture Department were organized in the Krishi Sanjavini Saptah. This included districtwise programmes in Ahmednagar (36), Nandurbar (12), Dhule (11), Solapur (23), Satara (10), Sangli (10), Kolhapur (24), Pune (19), Nasik (15) and Jalgaon (20). Further, 7613 farmers participated in Krishi Din programme on 1 July wherein 196 university scientists and 495 staff of Agriculture Department were involved.

- **A shivarpheri was organized in Jeur and Bahirwadi** villages of Ahmednagar district by Agriculture Department and MPKV, Rahuri during the Krishi Sanjavini Saptah on July 4, 2020. Shri. Prajakt Tanpure, Hon'ble Minister of State for Urban development and Energy, Govt. of Maharashtra participated in the field visit and guided the farmers. Dr. S. R. Gadakh, Director of Research and Extension Education, MPKV, Rahuri also participated in the field visit and guided the farmers on university technologies. Shri. Shivajirao Jagtap, District Supd. Agriculture Officer, Ahmednagar briefed about the schemes of the Agriculture Department. Farmers in large number participated during the visit.
- **Vanmahotsav-2020** : The tree plantation programme Vanmahotsav-2020 was organized by the university on the occasion of Krishi Sanjavini Saptah. Vice Chancellor Dr. K. P. Viswanatha, Dr. A. L. Pharande, Dean, Faculty of Agriculture, Dr. S. R. Gadakh, Director of Research and Extension Education, Shri. Vijay Kote, Comptroller, Shri. Milind Dhoke, University Engineer and Associate Deans Dr. D. D. Pawar, Dr. Y. G. Fulpagare, Dr. S. R. Ranpise and Dr. M. C. Ahire participated in the programme and planted saplings. The tree plantation programme was organized at the watershed area of 24 ha. developed by the university under Adarsh Gaon Yojana. The university staff members participated in this tree plantation programme.
- **MPKV, Rahuri organized an online Farmers-Scientists Forum Seminar** on eve of the Krishi Sanjavini Saptah during July 6-7, 2020. Vice Chancellor Dr. K. P. Viswanatha presided over the programme. Dr. S. R. Gadakh, Director of Research and Extension Education, Dr. C. D.



Deokar, Associate Dean, College of Agriculture, Dhule, Heads of Department Dr. B. D. Bhakare, Dr. C. S. Patil, Dr. A. V. Solanke, Dr. Vijay Amrutsagar, Associate Director of Research, NARP, Solapur, Dr. Arun Kamble, Professor of Agronomy, College of Agriculture, Pune, scientists Dr. V. R. Shelar, Prof. M. M. Desai and Dr. P. B. Kharde, progressive farmer Krishi Bhushan Shri. Vishnu Jarewere present on this occasion. University scientists guided the farmers on kharif season topics during the two day seminar. Farmers in large number along with scientists of Krishi Vigyan Kendras, Regional Extension Centres and District Extension Centres of university jurisdiction participated in the online programme.

- **Ranbhajya Mahotsav** : MPKV, Rahuri participated in the Ranbhajya Mahotsav organized by the Agriculture Department of Govt. of Maharashtra on eve of the World Tribal Day on August 9, 2020. The university KVKs, Regional Extension Centres participated in the exhibitions at district level in coordination with the Agriculture Department. Total eleven programmes were organized in ten districts of university jurisdiction with the involvement of sixty one scientists. A total of 1310 farmers visited the exhibition stalls. Vegetables and medicinal plants grown by the tribal farmers attracted the visitors.
- **A one day online training programme on Banana Production Technology and Disease Management Practices** was organized by Mahatma Phule Krishi Vidyapeeth, Rahuri, Krishi Vigyan Kendra, Pal & Jalgaon, Banana Research Center, Jalgaon in coordination with Department of Agriculture, Jalgaon on September 29, 2020 for extension personnel and Agriculture Officers. Vice-Chancellor Dr. K. P. Viswanatha presided over the programme. The Member of Legislative Assembly, Raver Shri. Shirish Chaudhary was present as Chief Guest. Dr. S. R. Gadakh, Director of Research and Extension Education, Associate Dean (LAE) Dr. Shrimant Ranpise, Heads of Departments Dr. Tanaji Narute, Dr. C. S. Patil, District Superintending Agriculture Officer Shri. Sambhaji Thakur, Dy. Director Anil Bhokare, Krushibhushan Shri. Ravindra Kadlag was present and guided the participants. Dr. K. B. Pawar, Shri Mahesh Mahajan and Dr. Hemant Baheti guided on different aspects of banana cultivation during the technical session. In all More 125 farmers and extension personnel participated in the programme.
- **Extension Education Council (EEC) Meeting**: The virtual XVII Extension Education Council (EEC) meeting was organized on 4th December, 2020 under the Chairmanship of Hon'ble Vice-Chancellor Dr. A. S. Dhawan at MPKV, Rahuri. Hon'ble Members of EEC and Progressive farmers Krushibhushan Shri. Ravindra Kadlag and Shri. Rashid Gavit gave valuable suggestions during the meeting. EEC members Dr. S. R. Gadakh, Director of Extension Education and Research, Shri. Vikas Patil, Director (Extn. and Training), Dept. of Agriculture, MS, Dr. Milind Ahire, Head, Dept. of Agril. Extn. and Communication and invitees Dr. V. S. Shirke, Director, MCAER, Pune Shri. Mohan Wagh, Registrar, Shri. Vijay Kote, Comptroller and Shri. Shri. M. P. Dhoke, University Engg., MPKV, Rahuri participated and gave valuable suggestions for effective technology application of university for its wider reach.
- **Rabi Crop Seminar** : A Rabi Crop Seminar was organized by MPKV, Rahuri in coordination with Department of Agriculture in online mode on



October 16, 2020. Dr. S. R. Gadakh, Director of Research and Extension Education presided over the programme. Dr. Narayan Shisode, Director, Extension and Training, M.S., Shri. Mohan Wagh, Registrar, Shri. Dashrath Tambhale, Joint Director of Agriculture, Kolhapur division, Shri. Sanjeev Padwal, Joint Director of Agriculture, Nasik division, Shri. Dilip Zhende, Joint Director of Agriculture, Pune division, Dr. Prafulla Lahane, Manager, Production, MAHABEEJ, Akola, Associate Deans Dr. P. N. Rasal, Dr. S. A. Ranpise, Dr. M. C. Ahire, Dr. C. D. Deokar and Dr. R. L. Suryavanshi were present on this occasion. The university scientists Dr. Suresh Dodke, Dr. Nandkumar Kute, Dr. Deepak Dudhade, Dr. Shahaji Shinde guided the participants and other.

- **Rabi Technology Day** : Rabi Technology Day was organized on February 17, 2021 in coordination with State Department of Agriculture in the university. Director of Extension education and Research Dr. S. R. Gadakh presided over the function. Hon'ble Executive Council member Prof. Nathaji Chougule, Director, Soil Conservation, Dept. of Agriculture Shri. Narayan Sisode, Directors, Associate Deans, Officers of the university and Dept. of Agriculture, MS were present. An exhibition depicting the university technologies was also organized and field demonstration of 80 varieties of different rabi crops was organized for farming community and other stakeholders. University scientists guided the farmers.
- **An online training programme on Fundamentals of Digital Marketing** was organized by the Centre for Advanced Agricultural Science and Technology (CAAST) on Climate Smart Agriculture and Water Management (CSAWM), MPKV, Rahuri during April 20-24, 2020. The training program

aimed to develop an overall understanding of digital marketing in particular, social media tools, search engine marketing, mobile marketing, email marketing, digital display marketing etc. for agriculture based organizations. The participants included PG students, scholars and faculties from various parts of the country as well as one faculty from the USA. The training course included nine sessions viz., Introduction of Digital Marketing, Role of Digital Marketing in Agribusiness, Facebook Marketplace, Role of Digital Marketing in Sahyadri Agro (Retail), Whatsapp Business, Digital Marketing technology in banking sector, Email Marketing, Use of Digital Technology in the development of Rural Entrepreneurship with special reference to Import and Export and Social Media Marketing. In all 71 eligible candidates for the training from MPKV, Rahuri and other Agricultural Universities participated in the training.

- **MPKV, Rahuri developed and issued an agro advisory on cropwise cultivation practices, marketing of agricultural produce, its transportation, storage and post harvest technology** in view of Coronavirus disease (COVID-19) pandemic situation for the farmers. The advisory was circulated to the farmers groups through State Department of Agriculture via email and social media. It comprised of measures to be taken by farmers like social distancing, use of masks, washing of hands by use of soap, personal hygiene etc. while performing agricultural operations. The advisory was sent to the State Government. This advisory was prepared under the guidance of Vice Chancellor Dr. K. P. Viswanatha by Dr. S. R. Gadakh, Director of Research and Extension Education and scientists of MPKV, Rahuri.



- **The CAAST-CSAWM, MPKV, Rahuri in collaboration with Mula Education Society's College of Agriculture, Sonai** organized a one day online webinar on Sugarcane Production Technology for the farmers in an online mode on the occasion of Agriculture Day on July 1, 2020. Dr. Bharat Raskar, Sugarcane Specialist, Central Sugarcane Research Station, Padegaon, Tal. Phaltan, Dist. Satara was the resource person for this webinar. Total eighty seven farmers from the jurisdiction of the university participated in this webinar. The webinar included one session on How to increase Sugarcane Production using new technologies.
- **Training Programme on Summer Soybean Seed Production** : An online training programme on summer soybean seed production for the member farmers of Farmers-Scientists Forum was organized on January 12, 2021 by the university in coordination with MAHABEEJ and State Department of Agriculture. Dr. S. R. Gadakh, Director of Research and Extension Education presided over the meeting. Shri. R. C. Joshi, District Manager, MAHABEEJ, Ahmednagar, Shri. Philip Desouza, Zonal Seed Certification Officer, Shri. Vilas Nalage, Deputy Director. Agriculture, Ahmednagar, Prof. M. M. Desai, Manager, ATIC and Dr. Milind Deshmukh, Soybean Breeder, ARS, Kasbe Digras, Sangli were present in online mode. In all more than 80 farmers joined this programme through online mode.
- **Rabi Kisan Mela at KVK, Mohol** : The Krishi Vigyan Kendra, Mohol, Dist. Solapur organized a Rabi Kisan Mela in collaboration with Crop Care Federation of India, New Delhi for the farmers in the jurisdiction on January 19, 2021. Mrs. Nirmala Patharwal, Executive Director, Crop Care Federation of India, New Delhi was present as Chief Guest and Dr. T. R. Walkunde, Programme Coordinator, KVK, Mohol chaired the function. The safety kits were distributed to the participant farmers by UPL Pvt. Ltd. The KVK Subject Matter Specialists Shri. D. N. Kshirsagar (FST), Dr. S. G. Jadhav (Agro.) and Dr. P. N. Madavi (Plant Prot.) guided the farmers during the programme.
- **The Agricultural Mechanization Day was observed** on February 17, 2018 by KVK, Dhule, Borgaon, Satara and Mamurabad Farm, Jalgaon through virtual mode. On this occasion experts guided the farmer participants on various aspects of agricultural mechanization. The large number of farmers participated in the programme.
- **Rashtriya Mahila Kisan Day** : KVK, Dhule and KVK, Mohol and other university KVKs celebrated Rashtriya Mahila Kisan Day on October 15, 2020. Online training programmes were organized on the occasion of at Krishi Vigyan Kendra, Dhule and Krishi Vigyan Kendra, Mohol. The KVK, Dhule had organized online lectures on Dairy business and Aonla processing under the concept of Agriculture Entrepreneurship Development of women. The university authorities Dr. A. L. Pharande, Dean, Faculty Dr. S. R. Gadakh, Director of Research and Extension Education, Dr. C. D. Deokar, Associate Dean, College of Agriculture, Dhule guided the participants. While, Krishi Vigyan Kendra, Mohol, Dist. Solapur celebrated Rashtriya Mahila Kisan Day using Google Meet online Platform. During this event, Dr. S. R. Gadakh, Director Extension Education and Research, Mr. Mohan Wagh, Registrar, Shri. Madan Mukane, Dy. Director, ATMA, Dr. Jitendra Dhemre, Dr. Chandrakant Salunkhe and Dr. Lahane of MAHABEEJ guided the participants on rabi crops during the seminar.



- **Farmers-Scientists online fortnight training programme** was organized by Regional Extension Centre, Pune in coordination with Agriculture Department and Kisan during October 7-21, 2020. Shri. Sunil Borkar, Officer, Quality Control, Agriculture Department inaugurated the programme. Dr. S. A. Ranpise, Associate Dean, Lower Agriculture Education, MPKV, Rahuri, Shri. Dnyaneshwar Bote, District Supd. Agriculture Officer, Pune, Dr. Somnath Mane, Incharge, Extension Agronomist, REC, Pune and scientists Dr. Ravindra Karande and Dr. Sunil Jogdand were present on this occasion. University scientists guided the farmers on various aspects during the online fortnight training programme.
- **Parthenium Awareness Week Celebrated at Krishi Vigyan Kendras (16/08/2019 to 22/08/2019)** : Krishi Vigyan Kendras under jurisdiction of MPKV, Rahuri organized Parthenium Awareness Programme at different Villages during August 16-22, 2019. The object of celebrating the programme was to create awareness among the farmers and general public about parthenium which is responsible for causing health related problems like pernicious, allergies, poisonous, greatest source of dermatitis, asthma, nasal-dermal and nasal-bronchial types of diseases. Parthenium is also harmful to farm animals as far as their health is concerned.
- **The Fertilizer Application Awareness Programme** was organized during October, 2020 by Krishi Vigyan Kendras under jurisdiction of MPKV, Rahuri. The main focus of this programme was to make farmers more aware regarding soil testing and use of appropriate fertilizers as per soil health card. To give information regarding new types of fertilizers present in market, and use of Integrated Nutrient Management in order to keep soil healthy and productive.
- **The World Soil Day** was observed in the jurisdiction of MPKV, Rahuri on December 05, 2020. The KVKs, RECs and DEC's conducted various programmes and distributed soil health cards to the farmer participants. The University authority participated and guided the participants.
- The Regional Extension Centres, District Extension Centers and Krishi Vigyan Kendra had participated in the 'Swachh Bharat Abhiyan' and organized cleaning campaign in their respective areas during 2nd October, 2020.
- The diagnostic and surveillance team visits were organized by scientists from Regional and District Extension Centers and Krishi Vigyan Kendras on farmer's field. These visits were jointly organized in collaboration with the Department of Agriculture (M.S.).

Activities under ICAR Farmer FIRST Programme

- An online training programme on Management of Kharif Crops was organized under the ICAR Farmer FIRST programme of MPKV, Rahuri in coordination with Department of Agriculture on June 26, 2020. Dr. S. R. Gadakh, Director of Research and Extension Education, Dr. Lakhan Singh, Director, ICAR-ATARI, Pune, Dr. P. B. Kharde, Officer Incharge, Communication Centre and PI, ICAR FFP were guided all the women participants. University scientists Dr. M. P. Deshmukh, Dr. Nandkumar Kute, and Dr. R.T. Suryawanshi guided the participants on various aspects of management of kharif crops.
- A one day training programme on Pomegranate Production Technology was organized under the



- ICAR Farmer FIRST programme in coordination with Department of Agriculture in online mode on July 29, 2020. Dr. S. R. Gadakh, Director of Research and Extension Education presided over the programme. Dr. P. B. Kharde, Officer Incharge, Communication Centre and PI, ICAR FFP and staff of Agriculture Department were present on this occasion. Soil Scientist Dr. Anil Durgude guided the farmers on soil health and integrated nutrient management for pomegranate, Entomologist Dr. Ashok Walunj on pest management in pomegranate and Plant Pathologist Dr. Prakash More guided on disease management in pomegranate during the technical session. More than fifty pomegranate growers of Chinchvihire and Kangar villages were benefitted through this online training programme.
- A one day off campus training programme on Farmpond Fishery was organized at Chinchvihire village under the ICAR Farmer FIRST programme in coordination with Department of Agriculture on August 20, 2020. Shri. Chandrakant Date, Farm Manager of KVK, Baramati guided the farmers on this occasion. Dr. P. B. Kharde, Officer Incharge, Communication Centre and PI, ICAR FFP, Shri. Waghmode, Agriculture Officer was present for the said programme.
 - The distribution programme of fish fingerlings was organized at Chinchvihire and Kangar villages at the hands of Dr. S. R. Gadakh, Director of Research and Extension Education under ICAR Farmer FIRST Programme on August 24, 2020. The university is implementing the integrated farming system model in these villages through the ICAR FFP. Twenty farm ponds have been selected for farmpond fishery component this year. A total of one lakh fish fingerlings of Rahu and Katla breed of fish was distributed to the selected farmers on this occasion.
 - An online campus training programme on Rabi Sorghum and Chickpea Production Technology was organized on September 30, 2020 under the ICAR Farmer FIRST programme. Dr. S. R. Gadakh, Director of Research and Extension Education presided over the programme. Dr. P. B. Kharde, PI, ICAR FFP, TAO Shri. Mahendra Thokale, University scientists Prof. S. V. Nirmal, Dr. Deepak Dudhade, Dr. N. S. Kute, Dr. C. S. Chaudhary guided the farmers. Large number of sorghum and Chickpea growers attended the one day online training programme.
 - A one day online training programme on Nutritional Vegetable Gardening was organized under the ICAR Farmer FIRST programme of MPKV, Rahuri in coordination with Department of Agriculture on October 26, 2020. Dr. S. R. Gadakh, Director of Research and Extension Education, Dr. Lakhan Singh, Director, ICAR-ATARI, Pune, Dr. P. B. Kharde, Officer Incharge, Communication Centre and PI, ICAR FFP guided all the women participants. University scientists Dr. Anil Durgude, Dr. Vikram Jambhale, Prof. Dhanashree Patil and Dr. Kiran Jadhav (SMS, Hort., KVK, Mamurabad, Jalgaon) guided the participants on various aspects of nutritional vegetable gardening.
 - The three training programmes were organized on Backyard Poultry under the ICAR Farmer FIRST programme in Chinchvihire and Kangar villages in coordination with the State Department of Agriculture during November 23/25/27, 2020. University scientists Dr. Ravindra Nimse and Dr. Sunil Adangle guided the farmers and farm women on different aspects of backyard poultry. Farmers queries related to poultry were also solved during the interactions. These training programmes



were organized under the guidance of Dr. S. R. Gadakh, Director of Research and Extension Education and Dr. P. B. Kharde, Officer Incharge, Communication Centre and PI, ICAR FFP.

MOU signed between MPKV and PANNI Foundation

A Memorandum of Understanding (MoU) was signed between MPKV, Rahuri and PAANI Foundation for developing video films on July 9, 2020. Vice Chancellor Dr. K. P. Viswanatha presided over the

function organized in online mode. Shri. Satyajit Bhatkal, CEO, PAANI Foundation, Dr. A. L. Pharande, Dean, Faculty of Agriculture, Dr. S. R. Gadakh, Director of Research and Extension Education, Dr. M. C. Ahire, Nodal Officer, PAHCOA, Halgaon, Heads of Departments, This MoU would benefit the farmers for transfer of university technologies through video films, documentaries and social media. The university would provide technical support for agricultural subject based video films of PAANI Foundation through this MoU.

Online and Offline Extension Education Activities (2020-21)

Sr. No.	Activity	2020-21	
		No. of activities	Participants
1	Training Programmes organized		
i.	For farmers, farm women and youth	541	31369
ii.	For staff of development department (State Agril. Dept. and others)	88	8632
iii.	Interaction training programme between farmers and scientists	132	5282
2	Workshop, seminars participated		
i.	Monthly district workshops	41	1569
ii	Seminars/Conference	59	3970
iii	Farmer Scientists Forum meetings organized	46	1338
3	Demonstrations and farm trials		
i.	Method demonstrations	234	2081
ii.	Result demonstrations / Assessment Trials (OFTs)	531	951
iii.	Assessment Trials	36	466
iv.	Front line demonstrations & Adaptive trials	720	720
4	Other extension education programmes		
i.	Meeting and group discussion (Kisan Goshti etc.)	221	6413
ii.	Field visit/shivarpheries	243	3156
iii.	Field days	205	1610
iv.	Farm and home visits	389	389
v.	Farmers rallies organized and participated outreach	14	Mass
vi.	Agril. Exhibition organized/ participated	20	



vii	Diagnostic team visit	356	2895
vii.	Surveillance team visit		
5	Media Coverage		
i	Programme News outreach	971	Mass
ii	AIR Programmes	269	
iii	TV Programmes	47	
iv	University Programmes	118	
7	Other Extension Activities		
i.	Agro Advisories (Telephone, SMS etc.)	140666	
ii.	No. of water, soil samples tested & Soil Health Cards issued	2663	
iii.	No. of pests samples tested	201	
iv.	No. of diseases samples tested	113	
v.	Helpline/Telephone Calls attended	37824	



5. Major Events

April 2020

1. eTraining programme on Aeroponics and Hydroponics Technologies organized



April 25-29, 2020. A one week online training programme on Aeroponics and Hydroponics Technologies for Precision Agriculture was organized by the Centre for Advanced Agricultural Science and Technology (CAAST) on Climate Smart Agriculture and Water Management (CSAWM), MPKV, Rahuri. Mr. K. Prabhu Sankar, CEO, IAC Krishitech, Pvt. Ltd., Coimbatore; Mr. B. Vijay Mohan, CEO, Neoponics Projects India Pvt. Ltd., Coimbatore; Mr. R. Parthiban, Team leader, IT Developments, IAC Krishitech Pvt. Ltd., Coimbatore; Mr. Rahul Mhaskar, Director, Techxellance Agrotech Pvt. Ltd., Mumbai; Mr. Akash Parekh, Director, Techxellance Agrotech Pvt. Ltd., Mumbai; Mr. Sagar Waghmare, Assistant Professor, Dept. of Civil Engg., Mr. S. G. Balkundri, Institute of Technology, Belgavi; Er. Shyam Bhadane, Chief Grower, Hopfenbauer Farms Pvt, Ltd., Pune were the resource persons for this eTraining.

Mr. Kailash Chaudhary, Hon'ble Minister of State for Agriculture and Farmers Welfare, Govt. of India, New Delhi was the Chief Guest for the online valedictory function. Vice Chancellor Dr. K. P. Viswanatha presided over the function. Dr. Amol Shinde, Additional Private Secretary to Union Minister

of State for Agriculture, New Delhi was the guest of honour. The function also had special presence of Dr. A. L. Pharande, Dean, Faculty of Agriculture and Dr. S. R. Gadakh, Director of Research and Extension Education. Hon'ble Minister Mr. Kailash Chaudhary in his address narrated the demands of the huge population, need of high production from agriculture and need of advanced technologies like Aeroponics and hydroponics in this direction. In his presidential address Vice Chancellor Dr. Viswanatha said that the advanced technologies in agriculture are essential for high produce and for maximizing outcomes. Dr. Shinde suggested to organize similar training for farmers and Farmers Producer Organizations. Dr. S. D. Gorantiwar, Head, Department of Agricultural Engineering and PI, CAAST-CSAWM, MPKV, Rahuri at the outset gave the preamble. Dr. Pharande welcomed all the dignitaries and gave introductory remarks. Dr. Gadakh narrated the importance of the Aeroponics and Hydroponics technologies in precision agriculture. Dr. U. S. Surve, Co-Convenor and Member of CAAST-CSAWM extended the vote of thanks.

2. Online training programme on Protected Cultivation Technologies for Climate Smart Agriculture



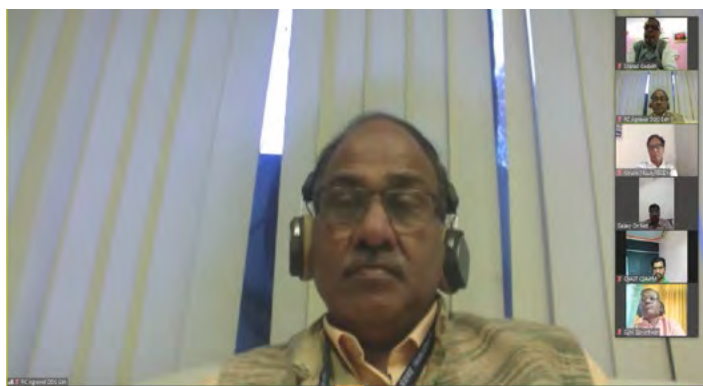
April 21-28, 2020. A one week online training programme on Protected Cultivation Technologies for Climate Smart Agriculture was organized by the Centre



for Advanced Agricultural Science and Technology (CAAST) on Climate Smart Agriculture and Water Management (CSAWM), MPKV, Rahuri. This training was attended by 230 participants.

This two weeks training was followed by online valedictory function in which Dr. Ashok Dalwai, Chief Executive Officer, National Rainfed Area Authority, Ministry of Agriculture and Farmers Welfare, Government of India was the Chief Guest. Vice Chancellor Dr. K. P. Viswanatha chaired the programme. The Guests of Honour were Mr. Nevil Alphonso, Director of Agriculture, Govt. of Goa and Dr. K V. Prasad, Director, ICAR-Directorate of Floricultural Research, Pune. Dr. A. L. Pharande, Dean, Faculty of Agriculture and Dr. S. R. Gadakh, Director of Research and Extension Education were also present. Dr. M. G. Shinde, Co-PI, CAAST-CSAWM gave preamble at the start of the function. Later, Dr. S. D. Gorantiwar, Head, Department of Agricultural Engineering and PI, CAAST-CSAWM gave the review of the training programme.

3. One week online eTraining programme on Digital Farming in Context of Precision Water Management organized



April 9-11, 2020. A one week online training course on Digital Farming in Context of Precision Water Management was organized by the Centre for Advanced Agricultural Science and Technology

(CAAST) on Climate Smart Agriculture and Water Management (CSAWM), MPKV, Rahuri in an online mode through Zoom video conferencing application. Er. Tushar Karande, Manager, Digital Farming Solutions, Netafim Irrigation India Pvt. Ltd., Pune was the resource person for this training course. eTraining was started with the preamble by Dr. S D. Gorantiwar, Head, Department of Agricultural Engineering and Principal Investigator, CAAST-CSAWM.

The training programme was followed with the valedictory function in which Dr. R. C. Agrawal, National Director, NAHEP and DDG (Edn.), ICAR, New Delhi was the Chief Guest. Vice Chancellor Dr. K. P. Viswanatha presided over the online function and Dr. Prabhat Kumar, National Coordinator, CAAST-NAHEP, ICAR, New Delhi was the Guest of Honour. Dr. A. L. Pharande, Dean, Faculty of Agriculture welcomed all the dignitaries. Dr. Agarwal enlightened the function and registered the importance of the digital farming for precision water management. Dr. Prabhat Kumar stated the global scenario of the digital farming and its importance. Dr. Viswanatha gave the presidential address. Dr. M. G. Shinde, Co-PI, CAAST-CSAWM extended the vote of thanks

4. Online e-Training programme on e-Resources of Libraries and Publication Ethics



April 20-24, 2020. A one week online training programme on e-Resources of Libraries and Publication

Ethics organized by the Centre for Advanced Agricultural Science and Technology (CAAST) on Climate Smart Agriculture and Water Management (CSAWM), MPKV, Rahuri. Prof. Dattatray Sankpal, Librarian, Annasaheb Waghire College, Saswad, Dr. Ravi Kumar, University Librarian, PJTAU, Hyderabad, Dr. Muthamilarasan M., Assistant Prof., Dept. of Plant Sciences, University of Hyderabad, Mr. Vivian Thomas, Former faculty, COA, Pune, Dr. Santosh Kharat, Librarian, PUMBA, Savitribai Phule Pune University, Prof. Vikrant Kelkar, Faculty, PUMBA, Savitribai Phule Pune University were the resource persons for this training programme. e-Training was started with the preamble by Dr. S.D. Gorantiwar, Head, Department of Agricultural Engineering and PI, CAAST-CSAWM, MPKV, Rahuri.

In the concluding online programme Dr. Chandra Shekara, Director General, CCS National Institute of Agril. Marketing, Jaipur was the Chief Guest. Vice Chancellor Dr. K. P. Viswanatha presided over the programme. Dr. K. Veeranjanyulu, Librarian and Head, NIT, Warangal and Former University Librarian & PPJTS Professor, Hyderabad, was the Guest of Honour. Dr. A. L. Pharande, Dean, Faculty of Agriculture welcomed all the dignitaries. Dr. M. G. Shinde, Co-PI, CAAST-CSAWM proposed the vote of thanks.

5. Online training programme on Personality Development organized

April 14-18, 2020. A one week online training course on Personality development, effective communication skills and stress management was organized by the Centre for Advanced Agricultural Science and Technology (CAAST) on Climate Smart Agriculture and Water Management (CSAWM), MPKV, Rahuri. The inaugural function was organized in presence of Dr. K. D. Kokate, Former DDG (Agril.



Extension), ICAR, New Delhi and former Director of Extension Education, MPKV, Rahuri. He gave the presidential remarks and briefed the importance of personality development and communication skills and stress management. Dr. A. K. Singh, Deputy Director General, (Agril. Extension), ICAR, New Delhi was the Chief Guest for valedictory function. The Chairman of the valedictory programme Vice Chancellor Dr. K. P. Viswanatha said that the University is making efforts to educate the farmers through online training programmes. Dr. A. L. Pharande, Dean, Faculty of Agriculture and Dr. S. R. Gadakh, Director of Research and Extension Education also guided the trainees. Dr. S. D. Gorantiwar, Principal Investigator, CAAST-CSAWM was the Convener, while, Dr. M. G. Shinde, Co-Principal Investigator, CAAST-CSAWM was the Co-Convener of the training programme. Dr. M. C. Ahire, Member CAAST and Associate Dean, College of Agriculture, Dhule was organizing secretary of the training programme. Total 600 participants participated in the training programme.

6. One week online training programme on Digital Marketing organized

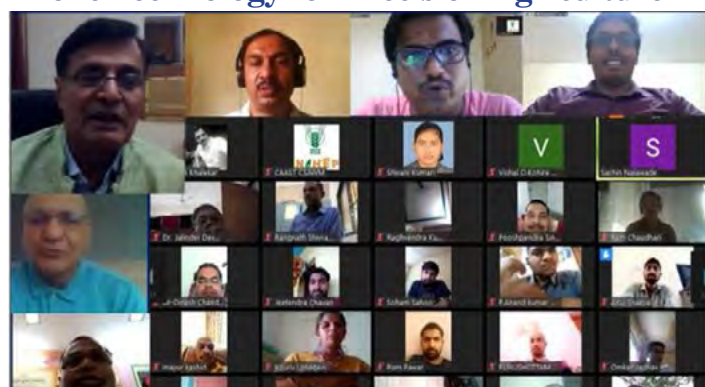
April 7-11, 2020. A one week online training course on Fundamentals of Digital Marketing was organized by the Centre for Advanced Agricultural Science and Technology (CAAST) on Climate Smart Agriculture and Water Management (CSAWM),





Mahatma Phule Krishi Vidyapeeth (MPKV), Rahuri, Maharashtra. This training program aimed to develop an overall understanding of digital marketing in particular, social media tools, search engine marketing, mobile marketing, email marketing, digital display marketing etc. for agriculturebased organizations. The training course included 8 sessions. The training course was started with the preamble by Dr. S D. Gorantiwar, Head, Department of Agricultural Engineering and Principal Investigator, CAAST-CSAWM, MPKV, Rahuri. Vice Chancellor Dr. K. P. Viswanatha presided over the valedictory function in online mode. Dr. M. G. Shinde, Co-Principal Investigator, CAAST-CSAWM extended the vote of thanks.

7. e Training programme on Fundamentals of Drone Technology for Precision Agriculture



April 25-30, 2020. A one week online e-training programme on Fundamentals of Drone Technology for Precision Agriculture was organized by the Centre for Advanced Agricultural Science and Technology

(CAAST) on Climate Smart Agriculture and Water Management (CSAWM), MPKV, Rahuri. Total 620 participants participated in the programme. During the online valedictory programme Dr. S. D. Gorantiwar, Head, Department of Agricultural Engineering and PI, CAAST-CSAWM gave the preamble of the training programme. Dr. V. M. Mayande, former Vice Chancellor, DrPKV, Akola was the Chief Guest, while, the university Vice Chancellor Dr. K. P. Viswanatha presided over the programme. Dr. S. R. Gadakh, Director of Research and Extension Education guided the participants. Dr S. M. Nalawade gave the background and review of one week online training programme. Dr. M.G. Shinde, Co-PI, CAAST-CSAWM extended the vote of thanks.

8. Online training programme organized under ICAR Farmer FIRST programme



April 29, 2020. An Online training programme on “Awareness about agricultural interventions to be implemented in Coronavirus disease (COVID-19) pandemic situation by farmers and kharif planning” was organized by the Mahatma Phule Krishi Vidyapeeth, Rahuri under the ICAR Farmer FIRST programme in coordination with the State Department of Agriculture, M. S. Vice Chancellor Dr. K. P. Viswanatha presided over the programme. Dr. Lakhan Singh, Director, ICAR-ATARI, Zone-VIII, Pune, Dr. S. R. Gadakh, Director of Research and Extension Education,

MPKV, Rahuri participated in the programme. Vice Chancellor Dr. Viswanatha in his presidential address complemented the organizers for organizing this online training programme for the farmers in view of Coronavirus disease (COVID-19) pandemic situation. Dr. Lakhan Singh in his inaugural address hoped that this type of online training programme in the present situation would benefit the farmers. Dr. Gadakh in his remarks said that the integrated farming system model is being effectively implemented through the ICAR Farmer FIRST programme. The university scientists Dr. U. S. Surve, Dr. S. D. Mandakmale guided the farmers and innovative young farmers Shri. Hemant Suryavanshi, Shri. Pravin Patil and Shri. Dnyaneshwar Wakchaure shared their marketing experiences (Farm to Consumer) regarding sale of grapes, poultry birds and tomato processing, respectively. At the outset Dr. P. B. Kharde, PI, ICAR FFP gave the welcome and introductory remarks. Dr. B. A. Deshmukh, CO-PI anchored the programme, while, Dr. S. S. Sadaphal, Co-PI expressed thanks.

May 2020

9. Online Kharif Crop Seminar for farmers organized



May 21-22, 2020. A two day online Kharif Crop Seminar was organized by the Mahatma Phule Krishi Vidyapeeth, Rahuri in coordination with the State Department of Agriculture, M. S. for the benefit of

farmers of Maharashtra state. Shri. Dadaji Bhuse, Hon'ble Minister of Agriculture and Ex Servicemen Welfare, Govt. of Maharashtra was the Chief Guest for the valedictory online programme. Vice Chancellor Dr. K. P. Viswanatha presided over the programme. Dr. Suhas Divse, Commissioner (Agriculture), M. S., Shri. Vishwajit Mane, Director General, MCAER, Pune, Dr. Lakhan Singh, Director, ICAR-ATARI, Pune were the Chief Guests for this programme. Dr. V. M. Bhale, Vice Chancellor, Dr.PDKV, Akola, Dr. A. S. Dhawan, Vice Chancellor, VNMAU, Parbhani, Dr. S. D. Sawant, Vice Chancellor, DrBSKKV, Dapoli, Dr. A. L. Pharande, Dean, Faculty of Agriculture, Dr. S. R. Gadakh, Director of Research and Extension Education, Shri. Narayan Shisode, Director, Extension and Training, M. S., Shri. Shivaji Jagtap, DSAO, Ahmednagar were present online for this programme. Shri. Bhuse in his address to the farmers stressed the need for reducing the cost of agricultural production. He asserted the farmers that the Government is with them and the marketing of their produce would be taken due care by Department of Agriculture in the COVID-19 pandemic situation. Vice Chancellor Dr. Viswanatha in his presidential address said that the university has made 1900 qtl seed, 24 lakh planting material, 450 qtl biological agents and 250 qtl bio fertilizers for the farmers in the ensuing kharif season through its Sale Counters in ten district jurisdiction. Dr. Divse, Shri. Mane gave their valuable remarks. Dr. Gadakh welcomed the dignitaries and proposed vote of thanks. Dr. P. B. Kharde anchored the online programme. More than 500 farmers across the state participated in this online seminar. The university scientists addressed the farmers on maize, bajra, sugarcane, grapes, pomegranate, kharif vegetables and tomato virus during the crop seminar.

10. One Week Online Farmers Training Programme organized

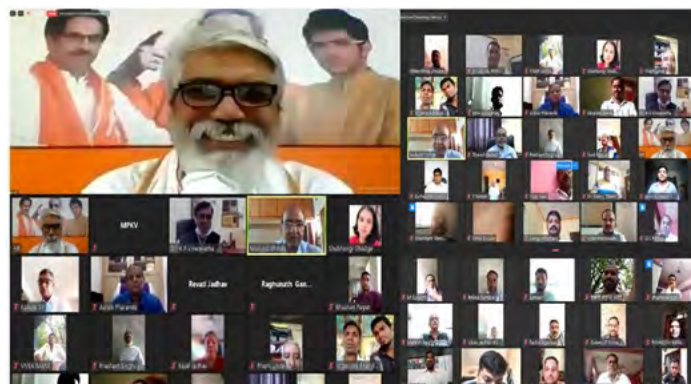


April 30 to May 4, 2020. An online training course on Use of Digital Technology for Marketing Farm Produce was organized by the Centre for Advanced Agricultural Science and Technology (CAAST) on Climate Smart Agriculture and Water Management (CSAWM), MPKV, Rahuri. Mr. Suhas Diwase, IAS, Commissioner, Agriculture, M. S. was the Chief Guest for the inaugural function. He narrated importance of digital marketing, social media tools, search engine marketing, mobile marketing, email marketing, digital display marketing etc. for agriculture-based organization. The expert Mr. Swapnil Kharde, Dr. Sanjay Pandhare, Mr. Purvish Diwanji, Mr. Dnyaneshar Bodke and Mr. Pramod Bodke, Dr. Deepak Chauhan, Mr. Kamal Khurana and Dr. Rahul Tidake guided the farmers on different topics.

Mr. Kailash Chaudhary, Hon'ble Minister of State for Agriculture and Farmers Welfare, Govt. of India, New Delhi was the Chief Guest for the online valedictory function and Dr. S. K. Chaudhari, Deputy Director General (NRM), ICAR, New Delhi was the guest. Vice Chancellor Dr. K. P. Viswanatha presided over the online function. Dr. A. L. Pharande, Dean, Faculty of Agriculture and Dr. S. R. Gadakh, Director of Research and Extension Education, Dr S. D. Gorantiwar, Principal Investigator, CAAST-CSAWM and Convener and Dr. M. G. Shinde, Co-Principal

Investigator, CAAST-CSAWM and Organizing Secretary were present. Remarks were given by Dr. Amol Shinde, Additional Private Secretary to Union Minister of Agriculture for State to the participants. The Chief guest Mr. Chaudhary highlighted to promote economically viable, democratic and self-governing Farmer Producer Organisations (FPOs) for increasing the collective production and marketing power of farmers. DDG Dr. Chaudhari guided participants regarding Kisan Rath Mobile App that will facilitate farmers and traders to identify suitable transport facilities for the movement of farm produce during coronavirus lockdown. Vice Chancellor Dr. Viswanatha focused on importance of digital marketing during the lockdown period in view of Coronavirus disease (COVID-19) pandemic situation.

11. One week online farmers training programme on Organic farming inputs organized

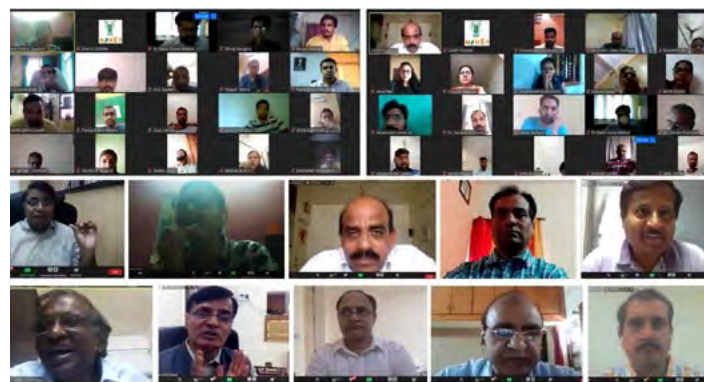


May 11-15, 2020. A one week online farmers training programme on Use of Organic Farming Inputs, Production, Certification and Marketing System was organized by the Centre for Advanced Agricultural Science and Technology (CAAST) on Climate Smart Agriculture and Water Management (CSAWM), MPKV, Rahuri. Mr. Eknath Dawale, Secretary, Agriculture, GoM was the Chief Guest for the inaugural function. Vice Chancellor Dr. K.

P. Viswanatha presided over the function. Dr. A. L. Pharande, Dean, Faculty of Agriculture and Dr. S. R. Gadakh, Director of Research and Extension Education were present on this occasion. Dr S. D. Gorantiwar, PI, CAAST-CSAWM was the Convener, Dr. M. G. Shinde, Co-PI, CAAST-CSAWM was the Co-Convener and Dr. U. S. Surve, Associate Professor of Agronomy was the Organizing Secretary of this e-training programme. Mr. Dawale in his address cited the importance of organic farming and suggested the SAUs to develop quality organic inputs. Dr. Viswanatha appraised of the initiatives of the university for organic farming. Mr. Dadaji Bhuse, Hon'ble Minister of Agriculture and Ex Servicemen Welfare, GoM was the chief guest for the online valedictory function. Vice Chancellor Dr. K. P. Viswanatha presided over the function in presence of University Directors Dr. A. L. Pharande and Dr. S. R. Gadakh. Dr. Gorantiwar briefed about CAAST-CSAWM project. Dr. Pharande welcomed the guest and gave a preamble of the programme. The Chief Guest Mr. Dadaji Bhuse in his address highlighted the marketing of organic agricultural farm produce, establishment of processing units and certification. Dr. Viswanatha in his address focused on importance of organic farming and university efforts for research on organic farming. Around 967 farmers and 205 SMSs from KVKs participated in this training programme.

12. Live Webinar Series on Applications of omics in Climate Smart Agriculture organized

April 30 to May 2, 2020. A Live Webinar Series on Application of OMICS in Agriculture was organized by CAAST-CSAWM, MPKV, Rahuri. The inaugural function was carried in presence of Dr. S. D. Gorantiwar, Principal Investigator, CAAST-CSAWM, MPKV, Rahuri and Convener of this webinar event series. He gave the introductory remarks about the



project objectives and brief idea about webinar series. Dr. M. G. Shinde, Co-Principal Investigator, CAAST-CSAWM, MPKV, Rahuri was Co-Convener of the event series. Dr. P. L. Kulwal, Professor of Agricultural Botany and Member, CAAST-CSAWM was the Organizing Secretary. Dr. Rajeev K Varshney, Research Program Director, ICRISAT, Hyderabad, Dr. Joy K Roy, Scientist, National Agri-Food, Biotechnology Institute, Mohali, Punjab, Dr. Jagadish Rane, Principal Scientist and Head, School of Drought Stress Management, ICAR-NIASM, Baramati, Dr. Amitha Mithra, Scientist (SS), ICAR-National Institute for Plant Biotechnology, New Delhi, Dr. Amol Kumar Solanke, Scientist (SS), ICAR-National Institute for Plant, Biotechnology, New Delhi were the experts for this webinar series.

During the valedictory function of this live webinar series, the chief guest was Dr. T. R. Sharma, Deputy Director General, (Crop Science), Indian Council of Agricultural Research, New Delhi. Vice Chancellor Dr. K. P. Viswanatha presided over the function. The valedictory function was carried out in the in the special presence of Dr. A. L. Pharande, Dean, Faculty of Agriculture and Dr. S. R. Gadakh, Director of Research and Extension Education. On-line certificates were distributed to representative participants. The Chief Guest Dr. Sharma addressed and guided participants regarding his experiences



in the field of biotechnology and bioinformatics. Dr. Viswanatha shared his views regarding use of OMICS in Climate Smart Agriculture.

13. e-training programme on Media for Effective Transfer of Technologies organized



May 24-28, 2020. A one week online training programme on Use of Different Media for Effective Transfer of Agricultural Technologies was organized by CAAST-CSAWM, MPKV, Rahuri. Dr. M. C. Ahire, Member, CAAST and Associate Dean, College of Agriculture, Dhule was the Organizing Secretary, while, Dr. S. B. Shinde, Head, Department of Agriculture Extension and Communication was the Co-organizing Secretary of the training programme. Dr. S. D. Gorantiwar, PI, CAAST-CSAWM was the Convener and Dr. M. G. Shinde, Co-PI, CAAST-CSAWM was the Co-Convener of the training programme. The inaugural function was conducted in presence of Dr. R. B. Deshmukh, Former Vice Chancellor, MPKV, Rahuri. In his address he briefed the necessity of effective media for connecting farmers to climate change and marketing. He put his views on the role of media in transfer of technologies. Dr. V. V. Sadamte, Former Advisor, Planning Commission, Government of India in his address in the valedictory programme narrated the role and importance different media in agriculture development. Vice Chancellor Dr. K. P. Viswanatha in his presidential address expressed

the importance on use of various media in Covid-19 situation. Shri. Sanjay Awate, Chief Editor, Divya Marathi, expressed his views. Dr. A. L. Pharande, Dean, Faculty of Agriculture and Dr. S. R. Gadakh, Director of Research and Extension Education also addressed the participants. Total 550 participants participated in the training programme. The overall training programme was coordinated by Assistant Professors Dr. S. S. Sadaphal and Dr. M. B. Dhadwad.

14. Online training programme on Carbon Sequestration organized



May 11-13, 2020. A three day online training programme on Carbon Sequestration in Climate Smart Agriculture was organized by the CAAST-CSAWM project, MPKV, Rahuri. The training session started with preamble by Dr. B. D. Bhakare, Head, Dept. of Soil Science and Agril. Chemistry and Organizing Secretary of e-training programme. Dr. S. D. Gorantiwar, PI, CAAST-CSAWM was the Convener and Dr. M. G. Shinde, Co-PI, CAAST-CSAWM was the Co-Convener of the e-training programme.

Dr. S. K. Chaudhari, Deputy Director General (NRM), ICAR, New Delhi was the chief guest for valedictory function and Dr. A. K. Patra, Director, Indian Institute of Soil Science, Bhopal and President, Indian Society of Soil Science, New Delhi was guest of honour. Vice Chancellor Dr. K. P. Viswanatha chaired this function in presence of University Directors Dr.

A. L. Pharande and Dr. S. R. Gadakh. Dr. Gorantiwar briefed about CAAST-CSAWM and review of the training programme was taken by Dr. Bhakare. Dr. Pharande welcomed the guest and gave preamble of the session. Dr. Gadakh gave his remarks. Dr. Chaudhari guided and enlightend the participants about soil organic carbon and soil health management. Dr. Viswanatha in his presidential address focused on importance of organic carbon in agriculture.

15. Online training programme on Smart Handling and Processing Systems of Horticultural Produce organized



May 9-14, 2020. The Centre for Advanced Agricultural Science and Technology for Climate Smart Agriculture and Water Management, MPKV, Rahuri had organized a one week online training programme on Smart Handling and Processing Systems of Horticultural Produce. Online training was started with the preamble by Dr. S. D. Gorantiwar, PI, CAAST-CSAWM, MPKV, Rahuri. Prof. D. C. Joshi, Vice Chancellor, Kota Agriculture University, Kota, Rajashtan was the Chief Guest for the valedictory programme. Vice Chancellor Dr. K. P. Viswanatha was the chairman for this online function. Dr. A. L. Pharande, Dean, Faculty of Agriculture welcomed all the dignitaries. Prof. Joshi stressed on the importance of the processing systems of horticultural produce. Dr. Viswanatha guided on value addition of horticultural

produce. Dr. Shinde extended the vote of thanks. More than 300 participants attended this online programme.

16. Online training programme on Crop protection from pests and diseases organized



May 17-18, 2020. The CAAST-CSAWM project organized a two day online training programme on Climate Change and Crop Protection from Pest and Diseases. Dr. P. B. Mohite, Former Professor, Department of Agricultural Entomology, Rajarshee Chhatrapati Shahu Maharaj College of Agriculture, Kolhapur and Dr. S. V. Kolse, Associate Professor, Dept. of Plant Pathology and Agril. Microbiology, MPKV, Rahuri were the resource persons for this training Programme. The training was started with the preamble by Dr. S. D. Gorantiwar, PI, CAAST-CSAWM, MPKV, Rahuri. Dr. S. D. Sawant, Vice Chancellor, Dr. BSKKV, Dapoli was the Chief Guest for the valedictory programme. Vice Chancellor Dr. K. P. Viswanatha chaired the online function. Dr. A. G. Chandele, Former Head, Dept. of Agricultural Entomology, MPKV, Rahuri was the Guest of Honour. Dr. A. L. Pharande, Dean, Faculty of Agriculture welcomed the dignitaries. Dr. Sawant in his address highlighted the impact of climate change on occurrence of pests and diseases. Dr. Viswanatha guided on creating awareness of imbalance use of pesticides and insecticide and their hazardous effect on human health. Dr. Chandele guided on importance of biological management of pests and diseases. Dr.

S. R. Gadakh, Director of Research and Extension Education offered his remarks. Dr. C. S. Patil, Head, Dept. of Agril. Entomology, MPKV, Rahuri extended the vote of thanks.

17. World Honeybee Day celebrated



May 20, 2020. The World Honeybee Day was celebrated by MPKV, Rahuri through an online seminar organized by the Centre for Advanced Agricultural Science and Technology for Climate Smart Agriculture and Water Management and Department of Agricultural Entomology. An expert lecture on the topic Honey Bee: Architect of green and sweet revolution was organized through online mode. Vice Chancellor Dr. K. P. Viswanatha was the chairman of this programme. Dr. T. B. Nikam, Founder and Director, Suprakruti Madhushal, Nashik was the resource person who delivered the lecture. He said that beekeeping is an ideal low cost, eco-friendly enterprise which does not compete for resources of farming systems that provides sustainable livelihood to the rural people. It generates employment for rural people. Dr. Viswanatha in his address guided on the importance of honeybee. He further added that Maharashtra has a rich and diverse flora and there is great scope for beekeeping. The potential of honey bees for pollination remains underutilized.

Dr. C. S. Patil, Organizing Secretary and Head, Dept. of Agril. Entomology welcomed all the dignitaries. Dr. M. G. Shinde, Co-PI,

CAAST-CSAWM gave the preamble. More than 500 participants attended this lecture.

18. Online interaction organized for members of Farmers-Scientists Forum



May 12, 2020. An online interaction programme was organized for members of Farmers-Scientists Forum by Directorate of Extension education, MPKV, Rahuri. Vice Chancellor Dr. K. P. Viswanatha while addressing the member farmers highlighted the importance of Farmers-Scientists Forum platform for effective dissemination of agricultural technologies. He hoped that this forum would help to address the farmers issues. Dr. S. R. Gadakh, Director of Research and Extension Education in his address hoped for regular interaction between the farmers and scientists. The member farmers need to transfer the university technologies to nearby farmers. Feedback of the farmers will be addressed, he said. About 120 member farmers from university jurisdiction interacted and participated in this meet

June 2020

19. National Online Webinar on Bioenergy: A Climate Smart Renewable Energy organized

June 30, 2020. A National online webinar on Bioenergy, a Climate Smart Renewable Energy: Present Status and Future Prospects was organized by the Centre for Advanced Agricultural Science and Technology for Climate Smart Agriculture and Water



Management, Mahatma Phule Krishi Vidyapeeth, Rahuri. The keynote speaker of the webinar was Shri. Nitin Gadkari, Hon'ble Minister for Road Transport and Highways of India, Shipping and Micro, Small and Medium Enterprises, Government of India. At the outset Vice Chancellor Dr. K. P. Viswanatha welcomed Shri. Gadkari. He stated the importance of this online webinar. Dr. S. D. Gorantiwar, Head, Agril. Engg. and Principal Investigator, CAAST-CSAWM, MPKV, Rahuri briefed about the CAAST project. Hon'ble Minister Shri. Nitin Gadkari guided the participants about bioenergy, current status of utilization of bioenergy, Future prospects for its use and Entrepreneurship opportunities for bioenergy. He said that bioenergy production can play a major role in the agriculture and rural sectors. Diversification of agriculture to energy production like bioethanol could add to farmers income. Bioethanol production from sugarcane and other farm produce would be a profitable alternative for the farmers. We need also to focus on ethanol and power generation from biomass, he said. The Government has started the Bamboo Mission which is a good alternative for diversification. The SAUs are a catalyst in the development of agricultural economy, he added. A total of 1550 participants including Hon'ble Vice Chancellors from SAUs of Maharashtra, faculty, scientists, farmers and students from Indian Agricultural Universities attended the

online webinar via Webex, Facebook and YouTube Platforms.

20. e-training programme organized on Advances in Smart Food Processing Technologies



June 4-15, 2020. The CAAST-CSAWM project of MPKV, Rahuri had organized a one week online training programme on Advances in Smart Food Processing Technologies. Dr. Chindi Vasudevappa, Vice Chancellor, National Institute of Food Technology Entrepreneurship and Management (NIFTEM), Haryana was the key note speaker for the inaugural programme. Dr. K. K. Singh, Member, NRM, ASRB, Dept. of Agricultural Research and Education, Ministry of Agriculture and Farmers Welfare, GOI, New Delhi was the chief guest. Vice Chancellor Dr. K. P. Viswanatha presided over the inaugural function.

Shri. Subhash Desai, Hon'ble Minister for Industries, Mining and Marathi Language, Government of Maharashtra was the chief guest for the valedictory programme. Vice Chancellor Dr. K. P. Viswanatha chaired the programme. Dr. A. L. Pharande, Dean, Faculty of Agriculture, Dr. S. R. Gadakh, Director of Research and Extension Education, Dr. D. D. Pawar, Associate Dean, Dr. A. S. College of Agril. Engg. and Technology, Convener Dr. S. D. Gorantiwar PI, CAAST-CSAWM and Co-Convener Dr. M. G. Shinde, CO-PI, CAAST-CSAWM were present on this

occasion. Total 460 participants were benefitted from this online training programme.

21. Expert lecture organized on the occasion of World Environment Day-2020



June 5, 2020. MPKV, Rahuri celebrated the World Environment Day-2020. Key note speeches of the experts were organized on this occasion through online mode by CAAST-CSAWM project. The programme started with the preamble by Dr. P. L. Kulwal, Professor, Dept. of Botany, State Level Biotechnology Centre and CAAST-CSAWM member, MPKV, Rahuri. Dr. Alok Kumar Sikka, IWMI Representative-India and Principal Researcher, International Water Management Institute, New Delhi was the Chief Guest. Vice Chancellor Dr. K. P. Viswanatha chaired the function. Dr. A. L. Pharande, Dean, Faculty of Agriculture welcomed the dignitaries. Ms. Indira Prakash delivered a lecture on Time for Nature and Ms. Shailly Kedia on Greening Post COVID-19 Economic Recovery. Dr. Sikka guided on biodiversity and its importance. Dr. Viswanatha highlighted the importance of environment. Dr. S. R. Gadakh, Director of Research and Extension Education extended the vote of thanks. More than 500 participants attended the programme.

22. e-training programme on Sustainable Sugarcane Production organized

June 10-12, 2020. A three day online training programme on Sustainable Sugarcane Production was



jointly organized CAAST-CSAWM, MPKV, Rahuri and Vasantdada Sugar Institute, Pune. Dr. S. D. Gorantiwar, Head of Agril. Engg. and PI, CAAST-CSAWM was the convener and Dr. M. G. Shinde, Professor, Dept. of SWCE and Co-PI, CAAST-CSAWM was the co-convener of this training. Dr. B. D. Bhakare, Head, Dept. of Soil Science and Agril. Chemistry was the Organizing Secretary and Dr. Priti Deshmukh, Scientist, Vasantdada Sugar Institute, Pune was Joint Organizing Secretary of this training programme. The valedictory function was held online under the chairmanship of Vice Chancellor Dr. K. P. Viswanatha. Mr. Shivajirao Deshmukh, Director General, VSI, Pune was the chief guest and Mr. Vikas Deshmukh, Director, VSI, Pune was guest of honour. Total 450 farmers, faculty and students from all over Maharashtra participated in this programme.

23. International Yoga Day celebrated



June 21, 2020. The International Yoga Day was celebrated online in view of COVID-19 pandemic situation. Vice Chancellor Dr. K. P. Viswanatha performed various asans of yoga in his bungalow under the guidance of Yoga Teacher

Mr. Suresh Shedge in the university. Dr. Viswanatha greeted the staff, students on eve of International Yoga Day and hoped that we need to regularly practice yoga and certainly we would overcome the present crisis. All the staff, students practiced yoga in their houses on this day.

24. Online sale of Phule onion seed evokes huge response



June 8, 2020. The online sale of Phule onion seed varieties of Phule Samarth and Basvant-780 evoked a huge response from the farmers of the state. The university under the guidance of Vice Chancellor Dr. K. P. Viswanatha and Director of Research Dr. S. R. Gadakh developed an online seed portal for sale of onion seed in view of Covid-19 pandemic situation. A total sale of 4220 kg seed worth Rs. 63 lakhs was incurred in a single day. Farmers from ten districts of Maharashtra viz., Pune, Aurangabad, Ahmednagar, Nasik, Solapur, Jalgaon, Dhule, Parbhani, Jalna and other districts purchased this seed in online mode. Dr. A. V. Solanke, Chief Scientist, Seed and all scientists from Seed cell took efforts for facilitating this process.

25. ICAR FFP farmers earn more from chickpea seed production

June 2, 2020. The university is implementing the ICAR Farmer FIRST programme in Chinchvihire and Kangar villages of Ahmednagar district. The Integrated Farming System model is being focused through this



project. Crop demonstrations of chickpea production technology (Var. Phule Vikram) on 50 acre area were implemented through this project in these two villages during the rabi season 2019-20. Around 15 farmer participants were involved in the chickpea seed production programme of Seed Hub project of AICRP on Pulses Improvement Project of MPKV, Rahuri. A complete technology package including variety seed replacement, seed treatment with biofertilizers (Rhizobium, PSB), integrated nutrient management, interculturing and integrated pest and disease management and guidelines for seed production was given to the farmers through training programme. Foundation seed was provided to the farmers alongwith regular field visits by university scientists. A total seed production of 75 qtl. worth income of Rs. 3,90,000/- was generated for the farmers. Thus, an additional income of Rs. 26,000/- was harvested by each farmer (purchase rate of Rs. 5200 per qtl.) which is more than the market price. This seed is sufficient for horizontal expansion of Phule Vikram chickpea variety on 107 ha. area.

26. Online training programme on Kharif Crop Management organized under ICAR FFP

June 26, 2020. An online training programme on Kharif Crop Management was organized under the ICAR Farmer FIRST programme in coordination with



Department of Agriculture. Dr. S. R. Gadakh, Director of Research and Extension Education chaired the programme. Dr. Lakhan Singh, Director, ICAR-ATARI, Pune, Shri. Mahendra Thokle, Taluka Agriculture Officer, Rahuri, Dr. P. B. Kharde, Officer Incharge, Communication Centre and PI, ICAR FFP and Co-PIs Dr. Sanjay Mandakmale, Dr. Ulhas Surve, Dr. B. A. Deshmukh and Dr. S. S. Sadaphal were present on this occasion. Dr. Gadakh in his presidential address said that there is a satisfactory start of monsoon this year and we need to harvest its benefit. Dr. Lakhan Singh expected that farmers need to get the knowhow of agricultural technologies through training programmes. Dr. M. P. Deshmukh, Soybean Breeder, ARS, Kasbe Digras guided the farmers on soybean production technology. Dr. N. S. Kute, Senior Scientist, AICRP on Pulses presented the red gram production technology and Dr. R. T. Suryavanshi, Assistant Professor, Bajra Research Project, College of Agriculture, Dhule guided on bajra production technology. Around fifty farmers were present for the online training programme.

July 2020

27. Krishi Din and Krishi Sanjivini Saptah programmes organized

July 1-7, 2020. The Krishi Din and Krishi Sanjivini Saptah programme of the Government of



Maharashtra was organized during July 1 to 7, 2020 by MPKV, Rahuri in coordination with the State Department of Agriculture, M. S. in the university jurisdiction. This programme was organized in memory of Former Chief Minister of Maharashtra Late Vasantao Naik and under the guidance of Shri. Dadaji Bhuse, Hon'ble Minister of Agriculture, Govt. of Maharashtra. The planning and guidance of this important programme at university level in all 112 talukas was executed under the guidance of Vice Chancellor Dr. K. P. Viswanatha and Dr. S. R. Gadakh, Director of Research and Extension Education. One scientist of the university was given the responsibility for each taluka for coordinating with the Agriculture Department. A total of 180 programmes with the participation of 27150 farmers and involvement of 618 university scientists and 3377 staff of Agriculture Department were organized in the Krishi Sanjivini Saptah. Further, 7613 farmers participated in Krishi Din programme on 1st July wherein 196 university scientists and 495 staff of Agriculture Department were involved. A compiled university report of this programme was sent to the Department of Agriculture, Mantralaya, Mumbai.

28. Vice Chancellor addressed farmers during Krishi Din programme

July 1, 2020. Vice Chancellor Dr. K. P. Viswanatha addressed the farmers in Chinchvihire village in



the programme organized on eve of Krishi Din and Krishi Sanjivini Saptah under ICAR Farmer FIRST programme. Dr. S. R. Gadakh, Director of Research and Extension Education, Shri. Shivajirao Jagtap, District Supd. Agriculture Officer, Ahmednagar, Shri. Sanjay Kachole, Subdivisional Agriculture Officer, Shrirampur, Prof. M. N. Desai, Manager, ATIC, Dr. P. B. Kharde, PI, ICAR FFP, Shri. Mahendra Thokle, Taluka Agriculture Officer, Rahuri were present on this occasion. Dr. Viswanatha while addressing the farmers stressed the need for proper management of kharif crops in view of good and timely rains. He further said that the work done in Chinchvihire and Kangar villages through ICAR Farmer FIRST programme is commendable and would motivate the nearby villages and farmers. The dignitaries garlanded the portrait of Former Chief Minister of Maharashtra late Vasant Naik at the beginning of the programme. Farmers and farm women attended the programme amidst appropriate individual distancing, masks and use of sanitizer due to COVID-19 pandemic situation.

29. Shivar Pheri organized

July 4, 2020. A shivar pheri was organized in Jeur and Bahirwadi villages of Ahmednagar district by Agriculture Department and MPKV, Rahuri during the Krishi Sanjivini Saptah. Shri. Prajakt Tanpure, Hon'ble Minister of State for Urban development and Energy, Govt. of Maharashtra participated in the field visit and



guided the farmers. Shri. Tanpure assured the farmers of regular electricity supply for agriculture. He said that the Government will support the cause of farmers and further appealed the farmers to adopt new technologies in farming. Dr. S. R. Gadakh, Director of Research and Extension Education, MPKV, Rahuri also participated in the field visit and guided the farmers on university technologies. Shri. Shivajirao Jagtap, District Supd. Agriculture Officer, Ahmednagar briefed about the schemes of the Agriculture Department. Farmers in large number participated during the visit.

30. Vanmahotsav-2020 organized



July 1-7, 2020. The tree plantation programme Vanmahotsav-2020 was organized by the university on the occasion of Krishi Sanjivini Saptah. Vice Chancellor Dr. K. P. Viswanatha, Dr. A. L. Pharande, Dean, Faculty of Agriculture, Dr. S. R. Gadakh, Director of Research and Extension Education, Shri. Vijay Kote, Comptroller, Shri. Milind Dhoke, University Engineer and Associate Deans Dr. D. D.

Pawar, Dr. Y. G. Fulpagare, Dr. S. R. Ranpise and Dr. M. C. Ahire participated in the programme and planted saplings. The main tree plantation programme was organized at the watershed area of 24 ha. developed by the university under Adarsh Gaon Yojana. Dr. S. B. Nandgude, Head, Department of SWCE briefed about the project. The new built office structures of Bamboo project and Agroforestry project were inaugurated at the hands of Vice Chancellor on this occasion. A Robot developed for spraying of fruit orchards was demonstrated by Dr. S. D. Gorantiwar, Dr. M. G. Shinde, Co-PI, CAAST-CSAWM project and Dr. S. M. Nalawade, Head, Department of Farm Machinery and Implements. The university staff members participated in this tree plantation programme.

31. MoU signed between MPKV and PAANI Foundation



July 9, 2020. A Memorandum of Understanding (MoU) was signed between MPKV, Rahuri and PAANI Foundation for developing video films. Vice Chancellor Dr. K. P. Viswanatha presided over the function organized in online mode. Shri. Satyajit Bhatkal, CEO, PAANI Foundation, Dr. A. L. Pharande, Dean, Faculty of Agriculture, Dr. S. R. Gadakh, Director of Research and Extension Education, Dr. M. C. Ahire, Nodal Officer, PAHCOA, Halgaon, Heads of Departments, Dr. P. B. Kharde, Officer Incharge, Communication Centre and officers of PAANI Foundation participated in this

online programme. Vice Chancellor Dr. Viswanatha in his address said that water is a precious commodity for human being and agriculture. In this situation PAANI Foundation has done remarkable work in soil and moisture conservation, he said. Thus, this MoU would benefit the farmers for transfer of university technologies through video films, documentaries and social media, he hoped. Shri. Bhatkal appreciated the contribution of MPKV in agriculture development. He said that effective media would accelerate the extension of technologies on farmers field. Dr. S. R. Gadakh and Mrs. Reena Datta signed the MoU on behalf of their organizations. The university would provide technical support for agricultural subject based video films of PAANI Foundation through this MoU.

32. MPKV scientists team visited pomegranate orchards



July 17, 2020. The area under pomegranate cultivation is increasing in Maharashtra. Ahmednagar district is one of the districts where this fruit crop is cultivated on a large area. But during this rainy season lot of orchards have been infested with spots and wilt. With this background, the university scientists Dr. Shrikant Kulkarni, Chief Scientist, AICRP on Dryland Fruit Crops, Dr. Ashok Walunj, Entomologist, Dr. Prakash More, Plant Pathologist, Mr. Ansar Attar, SMS, Horticulture, ATIC visited and guided the pomegranate growers. The officers of Agriculture Department Shri.

Sanjay Kachole, Shri. Waghmode, Shri. Gaikwad accompanied the university scientists during the visit to Kanadgaon, Kangar, Chinchvihire and Satral villages. The scientists guided the farmers on control measures. The main reasons were consistent rains and increased humidity. The pomegranate growers were benefitted from the advisory given by the university scientists through mass media.

33. Online training programme on Pomegranate Production Technology organized under ICAR Farmer FIRST Programme



July 29, 2020. A one day training programme on Pomegranate Production Technology was organized under the ICAR Farmer FIRST programme in coordination with Department of Agriculture in online mode. Dr. S. R. Gadakh, Director of Research and Extension Education presided over the programme. Dr. P. B. Kharde, Officer Incharge, Communication Centre and PI, ICAR FFP and staff of Agriculture Department were present on this occasion. Dr. Gadakh in his presidential address said that this crop has a great potential to transform the rural economy. We have such examples like Ajnale viilage (Tal. Sangola) in Solapur district and Satmane village (Tal. Malegaon) in Nasik district, he said. Soil Scientist Dr. Anil Durgude guided the farmers on soil health and integrated nutrient management for pomegranate, Entomologist Dr. Ashok Walunj on pest management in pomegranate

and Plant Pathologist Dr. Prakash More guided on disease management in pomegranate during the technical session. More than fifty pomegranate growers of Chinchvihire and Kangar villages were benefitted through this online training programme.

34. International Webinar Series on Climate Smart Agriculture organized



July 22, 2020. A webinar series was organized by CAAST-CSAWM project of MPKV, Rahuri coinciding with the 198th Birth Anniversary of the Father of Modern Genetics Gregor J. Mendel. The aim of the event was to develop an overall understanding about climate resilient crops for food and nutritional security, application of advanced genomic tools, marker technology for gene identification, nutritional genomics, crop phenotyping and overall crop improvement. Vice Chancellor Dr. K. P. Viswanatha presided over the function. Dr. P. K. Gupta, Emeritus Scientist, Ch. Charan Singh University, Hissar delivered the expert lecture on Climate resilient crops for food and nutritional security during this webinar. Dr. K. V. Prabhu, Chairperson, Protection of Plant Varieties and Farmers Right Authority, New Delhi was the chief guest for this programme. Dr. A. L. Pharande, Dean, Faculty of Agriculture and Dr. S. R. Gadakh, Director of Research and Extension Education were also present for the programme. Dr. S. D. Gorantiwar, PI, CAAST-CSAWM and Convener of this webinar gave introductory remarks. Dr. M. G. Shinde, Co-PI,

CAAST-CSAWM was Co-Convener. Dr. P. L. Kulwal, Professor of Agricultural Botany and Member, CAAST-CSAWM was the Organizing Secretary of the event and he briefed about the webinar series. Dr. Pharande gave welcome address and introduced the expert. More than 2000 participants attended the webinar.

August 2020

35. 74th Independence Day celebrated



August 15, 2020. The nation's 74th Independence Day was enthusiastically celebrated in the university. Vice Chancellor Dr. K. P. Viswanatha hoisted the national flag. Dr. Viswanatha in his address said that the university has made spectacular progress in the fields of agricultural education, research and extension education since its establishment. MPKV organized thirty three online training programmes, ten webinars through CAAST-CSAWM project which benefitted more than twelve thousand students, staff and more than five thousand farmers. The students of the university have excelled in various competitive exams, he said. This year MPKV has developed seven varieties of various crops, three improved implements and several crop production technologies for the farmers. MPKV has successfully organized different programmes like Vanmahotsav, Krishi Din, Krishi Sanjivini Saptah, Ranbhajya mahotsav in coordination with the Agriculture Department. The ICAR Farmer FIRST programme has benefitted the

farmers through implementation of integrated farming system components and it has been further extended to one more year by the ICAR, he added. Prof. Sunil Fulsawange, NCC Officer and Incharge, Security Officer gave an oath of tobacco ban on this occasion.

36. MPKV participated in Ranbhajya Mahotsav



August 9, 2020. MPKV, Rahuri participated in the Ranbhajya Mahotsav organized by the Agriculture Department of Govt. of Maharashtra on eve of the World Tribal Day. The university KVKs, Regional Extension Centres participated in the exhibitions at district level in coordination with the Agriculture Department. Total eleven programmes were organized in ten districts of university jurisdiction with the involvement of sixty one scientists. A total of 1310 farmers visited the exhibition stalls. Vegetables and medicinal plants grown by the tribal farmers attracted the visitors.

37. Distribution programme of fish fingerlings under ICAR FFP organized

August 24, 2020. The distribution programme of fish fingerlings was organized at Chinchvihire and Kangar villages at the hands of Dr. S. R. Gadakh, Director of Research and Extension Education under ICAR Farmer FIRST Programme. The university is implementing the integrated farming system model in these villages through the ICAR FFP. Twenty farm ponds have been selected for farmpond fishery



component this year. A total of one lakh fish fingerlings of Rahu and Katla breed of fish was distributed to the selected farmers on this occasion. Dr. Gadakh while guiding the farmers hoped that this enterprise could give an additional income to the farmers. The programme was conducted on farm pond of farmers Shri. Macchindra Shete (Chinchvihire) and Shri. Baburao Ghadge (Kangar). Dr. P. B. Kharde, Officer Incharge, Communication Centre and PI, ICAR FFP briefed about the demonstration component.

38. Online training programme on Competitive Examination AIEEA (PG) JRF, AICE-JRF/SRF (Ph. D.) organized



July 2 to August 9, 2020. A five week online training programme on Competitive Examination: AIEEA (PG) JRF, AICE-JRF/SRF (Ph.D.) and ICAR-NET /ARS was organized by CAAST-CSAWM, MPKV, Rahuri. The inaugural function was carried in presence of Dr. R. C. Agrawal, National Director, NAHEP and DDG (Education), ICAR, New Delhi. In

his Chief Guest address he briefed the role of ICAR in agricultural development in India. He also narrated the ARS scientists' contribution in agricultural development. The Guest of honour Dr. Prabhat Kumar, National Co-ordinator, CAAST, NAHEP-ICAR, New Delhi was also present in inaugural function. Dr. A. K. Misra, Chairman, ASRB, New Delhi was the Chief Guest for valedictory function. He said that the ASRB regularly recruit scientists at national level. The scientists and agricultural graduates need to understand farmers problems, post-harvest losses in fruit crops, cold storage, supply chain management, value addition, advance marketing for agriculture produce etc. These problems are effectively needed to be solved in present scenario. Chairman of the valedictory programme Vice Chancellor Dr. K. P. Viswanatha said that MPKV, Rahuri has developed Integrated Farming System Model on the basis of climatic region for Western Maharashtra farmers which is very beneficial to farmers which can generate sustainable income from their farm produce. Dr. A. L. Pharande, Dean, Faculty of Agriculture and Dr. S. R. Gadakh, Director of Research and Extension Education were also present for the valedictory programme. Dr. S. D. Gorantiwar, Principal Investigator, CAAST-CSAWM was the Convener, while, Dr. M. G. Shinde, Co-Principal Investigator, CAAST-CSAWM was Co-Convener of the training programme. Dr. M. C. Ahire, Associate Dean, Punyasholk Ahilyadevi Holkar College of Agriculture, Halgaon was Organizing Secretary of the training programme, Dr. S. B. Nandgude, Nodal Officer-ICAR and Head, Department of SWCE and Dr. A. A. Atre, Procurement Officer, CAAST-CSAWM and Professor of SWCE were Co-organizing Secretary of the training programme. Total 9598 students participated in this training programme.

39. e training programme organized on Soft Skills to enhance professional efficiency and effectiveness



August 17-22, 2020. A one week online training programme on Soft Skills to Enhance Professional Efficiency and Effectiveness was organized by CAAST-CSAWM and Department of Agriculture Extension and Communication, MPKV, Rahuri. Dr. M. C. Ahire, Associate Dean, Punyashlok Ahilyadevi Holkar College of Agriculture, Jalgaon and Head, Department of Agriculture Extension and Communication was the Organizing Secretary, while, Dr. S. D. Gorantiwar, PI, CAAST-CSAWM was the Convener and Dr. M. G. Shinde, Co-PI, CAAST-CSAWM was the Co-Convener of the programme. Dr. S. S. Sadaphal, Assistant Professor of Agril. Extension and Dr. M. B. Dhadwad, Assistant Professor of Agril. Extension were the Joint Organizing Secretaries of the training programme. Vice Chancellor Dr. K. P. Viswanatha in his presidential address in the valedictory programme said that the soft skills are personal attributes, typically linked to how you work and interact with others which are necessary for success and your career development for students and faculty. Dr. D. D. Pawar, Associate Dean, Dr. ASCAE&T welcomed the dignitaries. Total 620 participants participated in the training programme.

September 2020

40. Online training programme on Banana Crop Protection organized



September 28, 2020. An online training programme on Banana Crop Protection was organized by Banana Research Station (BRS), Jalgaon, Agriculture Department, Krishi Vigyan Kendra, Mamurabad and Krishi Vigyan Kendra, Pal, Dist. Jalgaon for farmers, Agril. officers and Agril. Asstts. of Agriculture Department. Shri Shirish Chaudhary, Hon'ble MLA, Raver was the Chief Guest for this programme. Vice Chancellor Dr. K. P. Viswanatha presided over the programme. Dr. S. R. Gadakh, Director of Research and Extension Education, Dr. S. A. Ranpise, Associate Dean, Lower Agril. Education, Heads of Departments Dr. T. K. Narute, Dr. C. S. Patil, Shri. Sambhaji Thakur, District Supd. Agril. Officer, Jalgaon, Shri. Anil Bhokare, Deputy Director and Shri. Ravindra Kadlag, Director, Google Biotech were present for this programme. Shri. Chaudhary in his address emphasized the need for quality seedlings of banana. Management practices related to pests and diseases need to be followed by the banana growers for increasing production, he said. Vice Chancellor Dr. Viswanatha in his presidential address informed that Jalgaon is the major banana districts of the country where the banana cultivation is taken over an area of 41000 ha. Around 125 participants were benefitted through this programme.

41. Online training programme on Rabi Sorghum and Chickpea production technology organized under ICAR FFP



September 30, 2020. A one day online training programme on Rabi Sorghum and Chickpea production technology was organized under the ICAR Farmer FIRST programme in coordination with Department of Agriculture. Dr. S. R. Gadakh, Director of Research and Extension Education in his guidance said that sorghum is an important foodgrain of our diet and also has a nutritive value for cattle. He said that farmers need to go for value addition of sorghum for additional gains. Dr. P. B. Kharde, Officer Incharge, Communication Centre and PI, ICAR FFP at the outset gave the welcome and introductory remarks. University scientists Dr. N. S. Kute, Prof. Sudam Nirmal, Dr. Deepak Dudhade and Dr. C. S. Chaudhary guided the farmers. Farmers from Chinchvhire and Kangar villages participated in this training programme.

42. National Symposium on Decoding Agritech: Towards Atmanirbhar Bharat organized

September 12, 2020. A one day online National Symposium on Decoding Agritech: Towards Atmanirbhar Bharat was organized by CAAST-CSAWM, MPKV, Rahuri. Dr. Prabhat Kumar, National Co-ordinator, CAAST-NAHEP, ICAR, New Delhi was the Convener of the symposium. Dr. S. D. Gorantiwar,



Principal Investigator, CAAST-CSAWM was the Co-Convener, while, Dr. M. G. Shinde, Co-Principal Investigator, CAAST-CSAWM was the Organizing Secretary and Er. Avinash Deshmukh, Brainsmart Solutions, Pune was the Joint Organizing Secretary of the symposium. Vice Chancellor Dr. K. P. Viswanatha who chaired the programme in his address cited the importance of incubation centre. Dr. Prabhat Kumar explained the importance of Atmanirbhar Bharat. Dr. A. L. Pharande, Dean, Faculty of Agriculture and Dr. S. R. Gadakh, Director of Research and Extension Education were present for the programme.

October 2020

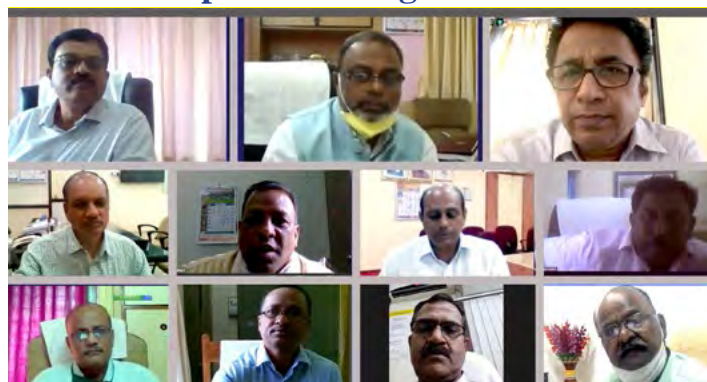
43. Sugarcane variety MS 13081 (Phule 10001) identified for Peninsular Zone of India



October 19, 2020. The MPKV released sugarcane variety MS 13081 was identified for release in Gujarat, Madhya Pradesh, Chhattisgarh, Maharashtra, Karnataka, interior plains of Andhra Pradesh, interior

plains of Tamil Nadu and Kerala (Peninsular Zone) in varietal identification committee meeting of AICRP on sugarcane held on 19.10.2020 at the ICAR- IISR, Lucknow during the 33rd Biennial Workshop of All India Coordinated Research Project on Sugarcane. MS 13081 is an early maturing clone, selected from the seedling progenies of CoM 0265 X MS 0602 at Central Sugarcane Research Station Padegaon. MS 13081 was evaluated in AICRP(S) trials at 14 locations in Peninsular Zone of India during 2016-19 (IVT, AVT I Plant, AVT II Plant and Ratoon). The mean CCS yield of MS 13081 in Peninsular Zone (P.Z.) was 16.84 t/ha which was 11.58, 18.39 and 23.91 per cent higher over the zonal standards Co 86032, CoC 671 and CoSnk 05103, respectively. MS 13081 ranked among top three entries for CCS yield in nineteen trials out of 34 trials in P.Z. The mean cane yield of MS 13081 in the zone was 118.51 t/ha. It exhibited 7.41, 22.85 and 17.24 per cent improvement over the standards Co 86032, CoC 671 and CoSnk 05103, respectively. MS 13081 ranked among top three entries for cane yield in thirteen trials out of 34 trials in P.Z. Vice Chancellor and Directors congratulated Dr. B. S. Raskar, Sugarcane Specialist, Dr. R.M. Garkar, Sugarcane Breeder (AICRPS) and scientists of CSRS, Padegaon.

44. Rabi Crop Seminar organized



October 16, 2020. A Rabi Crop Seminar was organized by MPKV, Rahuri in coordination with

Department of Agriculture in online mode. Dr. S. R. Gadakh, Director of Research and Extension Education presided over the programme. Dr Narayan Shisode, Director, Extension and Training, M.S., Shri. Mohan Wagh, Registrar, Shri. Dashrath Tambhale, Joint Director of Agriculture, Kolhapur division, Shri. Sanjeev Padwal, Joint Director of Agriculture, Nasik division, Shri. Dilip Zhende, Joint Director of Agriculture, Pune division, Dr. Prafulla Lahane, Manager, Production, MAHABEEJ, Akola, Associate Deans Dr. P. N. Rasal, Dr. S. A. Ranpise, Dr. M. C. Ahire, Dr. C. D. Deokar and Dr. R. L. Suryavanshi were present on this occasion. Dr. Gadakh in his presidential address said that we have had sufficient rainfall this year. Hence, we need to capitalize on the available moisture for rabi crops. The university scientists Dr. Suresh Dodke, Dr. Nandkumar Kute, Dr. Deepak Dudhade, Dr. Shahaji Shinde, Dr. Jitendra Dhemre, Dr. Chandrakant Salunkhe and Dr. Lahane of MAHABEEJ guided the participants on rabi crops during the seminar. The District Supd. Agril. Officers, Sub Divisional Agril. Officers, Associate Directors of Research, Crop Specialists and scientists of KVKs participated in this seminar.

45. Online training programmes organized on Rashtriya Mahila Kisan Day at KVK, Dhule and KVK, Mohol

October 15, 2020. Online training programmes were organized on the occasion of Rashtriya Mahila Kisan Day at Krishi Vigyan Kendra, Dhule and Krishi Vigyan Kendra, Mohol. The KVK, Dhule had organized online lectures on Dairy business and Aonla processing under the concept of Agriculture Entrepreneurship Development of women. Dr. A. L. Pharande, Dean, Faculty of Agriculture in his address said that more than 80 per cent women are involved in agriculture in rural areas. Appropriate skills and

knowledge need to be imparted in them to make them self sufficient, he remarked. Dr. S. R. Gadakh, Director of Research and Extension Education while addressing the farm women said that women have an immense contribution to agriculture. Empowerment of women is needed, he said. Dr. C. D. Deokar, Associate Dean, College of Agriculture, Dhule briefed about the efforts of the college for benefit of farmers. Dr. Dinesh Nandre, Head, KVK, Dhule gave the introductory remarks. Dr. Dhanraj Chaudhary, SMS, ASDS guided the participants on Dairy business and Mrs. Amruta Raut, SMS, Food Science on aonla processing.

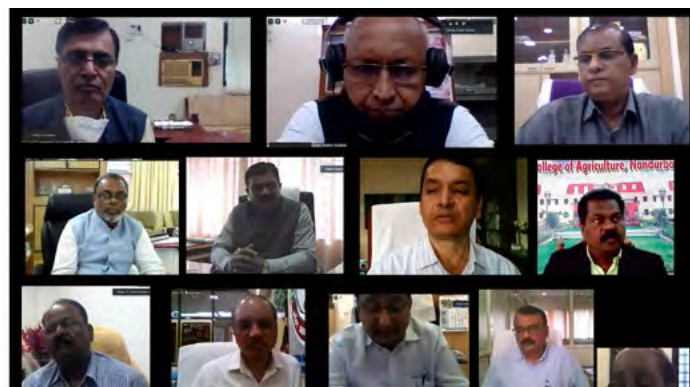
46. Farmers-Scientists online fortnight training programme organized by REC, Pune

October 7-21, 2020. Farmers-Scientists online fortnight training programme was organized by Regional Extension Centre, Pune in coordination with Agriculture Department and Kisan. Shri. Sunil Borkar, Officer, Quality Control, Agriculture Department inaugurated the programme. Dr. S. A. Ranpise, Associate Dean, Lower Agriculture Education, MPKV, Rahuri, Shri. Dnyaneshwar Bote, District Supd. Agriculture Officer, Pune, Dr. Somnath Mane, Incharge, Extension Agronomist, REC, Pune and scientists Dr. Ravindra Karande and Dr. Sunil Jogdand were present on this occasion. University scientists guided the farmers on various aspects during the online fortnight training programme.

November, 2020

47. Farewell programme of Vice Chancellor Dr. K. P. Viswanatha; Dr. Ashok Dhawan, Vice Chancellor, VNMAU, Parbhani takes over Additional Charge

November 4, 2020. Dr. K. P. Viswanatha completed his term of five years as Vice Chancellor of MPKV, Rahuri. A farewell programme was organized



by the university on this occasion in online mode. Dr. Ashok Dhawan, Vice Chancellor, Vasant Rao Naik Marathwada Agriculture University, Parbhani took over the Additional Charge of Vice Chancellor of MPKV, Rahuri. Dr. Dhawan presided over the programme. Dr. A. L. Pharande, Dean, Faculty of Agriculture, Dr. S. R. Gadakh, Director of Research and Extension Education, Shri. Mohan Wagh, Registrar, Shri. Vijay Kote, Comptroller, Shri. Milind Dhoke, University Engineer, Associate Deans Dr. D. D. Pawar, Dr. P. N. Rasal, Dr. S. B. Kharbade, Dr. S. A. Ranpise, Dr. M. C. Ahire were present on this occasion. In his farewell address Vice Chancellor Dr. K. P. Viswanatha exemplified the significant contribution of MPKV in the field of education, research and extension education. This is the effort of all, he stated. He said that he was really fortunate to lead this historical university. Dr. Viswanatha highlighted some of the significant achievements of his tenure like establishment of new Government Agriculture colleges, sanction and working of CAAST-CSAWM project, establishment of water conservation project, organic farming project, drip irrigation on 100 acre area of university farm, Career Advancement Scheme for staff etc.

Vice Chancellor Dr. Ashok Dhawan in his presidential address thanked Dr Viswanatha for his successful tenure and passed his best wishes to him. Dr. Dhawan highlighted the contribution of



MPKV, Rahuri in agriculture education, research and extension education and for the agriculture progress of the state. He said that this is a golden opportunity for him to lead this historical university. Dr. Pharande, Dr. Gadakh, Shri. Wagh, Shri. Dhoke, Dr. Pawar, Dr. Kharbade, Dr. Ranpise, Dr. Yadav expressed their feelings on this occasion. Dr. M. R. Chouhan, Student Welfare Officer recited a poem on the work of Vice Chancellor Dr. K. P. Viswanatha and Vice Chancellor Dr. Ashok Dhawan. A portrait of Vice Chancellor Dr. K. P. Viswanatha prepared by Dr. Vaibhav Malunjkar, Research Associate, CAAST-CSAWM project was handed during the programme. Dr. S. D. Gorantiwar, Head of Agril. Engg. and PI, CAAST-CSAWM project anchored the programme, while, Dr. M. C. Ahire, Associate Dean, PAHCOA, Halgaon proposed thanks. All Heads of Departments, staff and scientists of the university were present in online mode for this programme.

48. Dr. Ashok Dhawan, Vice Chancellor, VNMAU, Parbhani takes over Additional Charge of Vice Chancellor of MPKV, Rahuri

November 5, 2020. Dr. Ashok Dhawan, Vice Chancellor, Vasant Naik Marathwada Agriculture University, Parbhani took over the Additional Charge of Vice Chancellor of MPKV, Rahuri as per the directives of Hon'ble Chancellor and Governor of Maharashtra.



Dr. Dhawan reviewed the progress of the university in his first meeting after assuming the charge of Vice Chancellor of MPKV, Rahuri. He called for every support to farmers from the university side. He said that farmers need to be supported during difficult times like the COVID-19 pandemic situation especially guiding them for effective marketing of their produce. He appreciated the activities of CAAST-CSAWM project

of the university especially for organizing online training programmes during corona situation. All Associate Deans, Heads of Departments and Officers of the university were present for this meeting.

49. Training programmes organized on Backyard Poultry under ICAR FFP



November 23/25/27, 2020. Three training programmes were organized on Backyard Poultry under the ICAR Farmer FIRST programme in Chinchvihire and Kangar villages in coordination with the State Department of Agriculture. University scientists Dr. Ravindra Nimse and Dr. Sunil Adangle guided the farmers and farm women on different aspects of backyard poultry. Farmers queries related to poultry were also solved during the interactions. These training programmes were organized under the guidance of Dr. S. R. Gadakh, Director of Research and Extension Education and Dr. P. B. Kharde, Officer Incharge, Communication Centre and PI, ICAR FFP.

50. Online training programme on Open-Source Resources and Copy Right Issues organized

November 26-27, 2020. A two day online training programme on Open-Source Resources and Copy Right Issues was organized by CAAST-CSAWM and University Library, MPKV, Rahuri through online mode. Mr. Vikram Zadgaonkar, Director, Firstray Consulting, Pune, Mr. Ketan Kulkarni, Director,



Firststay Consulting, Pune, Dr. S. K. Patil, Former University Librarian, Jayakar Library, University of Pune, Dr. N. B. Dahibhate, Former Information Scientist, NCL, Pune were the resource persons for this training programme. The training course included four sessions on topics like Basics of KOHA software, how to use the report module for different reports, how to use OPAC; Moodle: Basics of moodle LMS, brief information and walkthrough how best moodle can be used for the institute; Open Sources Resources in Science and Social Science; Basics of IPR: Copy Rights and Patents. Training was started with the short inaugural function in which Dr. P. N. Rasal, Associate Dean, PGI, MPKV, Rahuri was the Chief Guest, preamble was given by Dr. S. I. D. Gorantiwar, Head of Agricultural Engineering and Principal Investigator, CAAST-CSAWM, MPKV, Rahuri.

The training programme was followed with the valedictory function in which Dr. S. K. Patil, Former University Librarian, Jayakar Library, University of Pune was the Chief Guest. Vice Chancellor Dr. A. S. Dhawan chaired the function. Dr. Gorantiwar welcomed the dignitaries. Dr. Patil enlightened the function and registered the importance of the open-source resources in Agriculture. Dr. S. R. Gadakh, Director of Research and Extension Education guided on digitalization of library and importance of online Resources. Total 250 students and faculty members from different disciplines participated in this training programme.

December, 2020

51. Visit of Hon'ble Minister of Agriculture Shri. Dadaji Bhuse to MPKV, Rahuri



December 7, 2020. Hon'ble Minister of Agriculture, M. S. Shri. Dadaji Bhuse visited MPKV, Rahuri. Vice Chancellor Dr. Ashok Dhawan greeted him on his arrival and briefed about the significant achievements of the university. Shri. Prajakta Tanpure, Hon'ble Minister of State for Energy, M.S. and Shri. Popatrao Pawar, Hon'ble Executive President, Adarsha Gaon Samiti, M.S. accompanied him during this visit. Hon'ble Minister Shri. Dadaji Bhuse visited the Forage cactus farm, Cattle project, Vermicompost production unit, Watershed development project, Bamboo research project, Dryland fruits research project, Agriculture implements and machinery project, Processing laboratory and Biotechnology Centre in the university premises. Shri. Bhuse said that MPKV has completed 52 years of its establishment. The university has immensely contributed to the development of agriculture but hoped that we need to rise to the challenges today and work accordingly. Regarding bamboo, he said that the Bamboo Mission would benefit the farmers. The processing aspects of bamboo need to be capitalized. He expected that the university need to develop many more small tools and implements for the farmers as agriculture mechanization is very much needed. Directors Dr. A. L. Pharande, Dr. S. R. Gadakh,

Registrar Shri. Mohan Wagh, Shiv Sena District Chief Shri. Raosaheb Khevere, Comptroller Shri. Vijay Kote, University Engineer Shri. Milind Dhoke, Associate Deans Dr. P. N. Rasal, Dr. D. D. Pawar, Dr. S. A. Ranpise, Dr. M. C. Ahire, District Supd. Agril. Officer Shri. Shivaji Jagtap and scientists were present on this occasion.

52. Webcasting of Hon'ble Prime Minister's address at KVK, Mohol



December 25, 2020. The webcasting of Hon'ble Prime Minister's address to farmers was organized at Krishi Vigyan Kendra, Mohol, Dist. Solapur. The farmers witnessed Hon'ble Prime Minister Shri. Narendra Modi releasing the second installment of PM Kisan Samman Nidhi to the farmers' bank account. Hon'ble Prime Minister also interacted with the farmers of various states during this programme and addressed the nation on this occasion. The arrangements of the programme were made under the guidance of Dr. T. R. Walkunde, Head, KVK, Mohol.

53. National Mushroom Day celebrated in Pune

December 23, 2020. The National Mushroom Day was celebrated at the AICRP on Mushroom, College of Agriculture, Pune. Dr. Anil Gaikwad, Former Mycologist, College of Agriculture, Pune guided on this occasion. He narrated the importance of mushroom in our diet. These advantages of mushroom need to



be passed to the society, he hoped. The mushroom entrepreneurs need to go for production of Dhingri mushroom and other nutritive, medically important and those which are produced in short period, he said. Dr. Bhaskar Barhate, Associate Professor of Plant Pathology cited the importance of mushroom and its various products. Many mushroom entrepreneurs shared their experiences and demonstrated their produce on this occasion. Mrs. Minoti Dhawale anchored the programme. Dr. Ashok Jadhav, Mycologist, AICRP on Mushroom and Shri. Namdev Desai took efforts for organizing the programme.

54. Celebration of World Soil Day on farmers field at Buchkewadi village



December 5, 2020. The Centre for Advanced Agricultural Science and Technology for Climate Smart Agriculture and Water Management, MPKV, Rahuri celebrated the World Soil Day on farmers field of Buchkewadi village of Junner Tahsil, Dist. Pune. Vice Chancellor Dr. A. S. Dhawan chaired the programme.

Dr. A. L. Pharande, Dean, Faculty of Agriculture, Dr. S. D. Gorantiwar, Principal Investigator, CAAST-CSAWM, Dr. A. A. Atre, Professor of Soil Water Conservation and Engineering, Dr. R. P. Andhale, Associate Professor of Agronomy, Dr. S. S. Sadaphal, Assistant Professor of Agricultural Extension, Research Associates Dr. Anjali Musmade (IT), Dr. Shubhangi Ghadge (AE&C) and Dr. Sevak Dhenge (Social Science) and Sarpanch of Buchkewadi village Shri. Gaikwad were present for the programme. More than 30 farmers attended the programme. Dr. Dhawan guided on importance of soil as a media of crop and food grain production.

55. Webinar on Agricultural Education Day-2020 organized



December 3, 2020. A one day webinar on Agricultural Education Day-2020 was organized by CAAST-CSAWM, MPKV, Rahuri. Dr. A. L. Pharande, Dean, Faculty of Agriculture presided over the function. Dr. S. D. Gorantiwar, Principal Investigator, CAAST-CSAWM was the Convener of this event. Dr. R. P. Andhale, Associate Professor of Agronomy and Organizing Secretary welcomed the dignitaries and introduced the Chief Guest with a brief preamble of the webinar. Dr. Pharande addressed the students and shared his personal experiences in the field of Agricultural Education. He further highlighted the success stories in agriculture sector. Dr. P. N. Rasal, Associate Dean, Post

Graduate Institute, MPKV, Rahuri and Dr. M. G. Shinde, Professor of Soil Water Conservation Engineering, Dr. ASCAE & T addressed the students and provided valuable information regarding agriculture and its allied subjects and the opportunities and avenues for them. They also emphasized the need for proficient and skilled human resource in the agricultural and allied sectors.

56. Online training programme on Writing Research papers for high impact factor journals and Effective proposals organized



December 15-17, 2020. A three day online training programme on Writing Research papers for high impact factor journals and effective proposals was organized by CAAST-CSAWM, MPKV, Rahuri. The training session started with preamble by Organizing Secretary Dr. M. C. Ahire, Associate Dean, Punyashlok Ahilyadevi Holkar College of Agriculture, Halgaon and Head, Department of Agricultural Extension and Communication. Dr. S. D. Gorantiwar, PI, CAAST-CSAWM was the Convener and Dr. M. G. Shinde, Co-PI, CAAST-CSAWM was the Co-Convener, Dr. M. B. Dhadwad, Assistant Professor of Agricultural Extension and Dr. S. S. Sadaphal, Assistant Professor of Agricultural Extension and CAAST-CSAWM Team Member were the Joint Organizing Secretaries of the training programme. Dr. P. S. Pandey, ADG (EP&HS), ICAR, New Delhi was the chief guest for valedictory

function. Vice Chancellor Dr. A. S. Dhawan chaired this programme. Dr. Gorantiwar briefed about CAAST-CSAWM. The review of the training programme was taken by Dr. M. C. Ahire. Dr. S. B. Nandgude, Nodal Officer, ICAR introduced the chief guest. Dr. Pandey guided and enlightened the participants on importance of capacity building of faculty and students, different high impact journals in the field of agriculture and allied subjects, human resource development and funding from support agencies. Dr. Dhawan in his presidential address focused on need of scientific writing for high impact factor journals. The overall training programme was coordinated by Research Associates Dr. Shubhangi Ghadge and Dr. Sevak Dhenge. Dr. Sadaphal anchored the programme and Dr. Shinde proposed vote of thanks.

57. Workshop on Heralding the next Decade: Emerging Trends, Opportunities and challenges in Irrigation Water Management organized



December 31, 2020. A one day workshop on Heralding the next Decade: Emerging Trends, Opportunities and challenges in Irrigation Water Management was organized on the theme “Entering New Decade” by RKVY-IWRAS and CAAST-CSAWM of MPKV, Rahuri. Dr. K. Yella Reddy, Dean, Faculty of Agricultural Engineering and Technology, ANGRAU, Andhra Pradesh and Vice President, International Commission on Irrigation

and Drainage, New Delhi was the key note speaker and delivered a talk on the topic “Heralding the Next Decade: Emerging Trends, Opportunities and Challenges in Irrigation Water Management”. Dr. M. G. Shinde, Co-PI CAAST-CSAWM welcomed and introduced Dr. Reddy. Dr. Reddy focused on global to farm level scenarios, challenges and opportunities in irrigation water management, components of water use efficiency, the aspects of irrigation water management at farm level, National Water Policies, Climate adoption initiatives, linkages between different water sources in an irrigation system, Irrigation demands and canal supply balance, working of Village Knowledge Centres, importance of irrigation water measurements and its key aspects and impact and importance of micro irrigation. Total 93 faculty and students participated in this workshop.

January 2021

58. Republic Day celebrated



January 26, 2021. The country’s 72nd Republic Day was enthusiastically celebrated in the university. Vice Chancellor Dr. Ashok Dhawan hoisted the national flag. While addressing the staff Dr. Dhawan said that MPKV has contributed significantly to the food security of the nation. The university has developed and released more than 255 varieties of crops, fruits, vegetables and flowers, 36 improved implements and more than 1500 technology recommendations for the benefit of farmers.

The university has an immense share of income to farmers through its major varieties as per the impact analysis, he said. Incubation centres will have to be started for developing entrepreneurship qualities in the students. Registrar Shri. Mohan Wagh gave the oath of constitution on this occasion. Dr. A. L. Pharande, Dean, Faculty of Agriculture, Dr. S. R. Gadakh, Director of Research and Extension Education, Registrar Shri. Mohan Wagh, Comptroller Er. Vijay Kote, University Engineer Er. M. P. Dhoke, Associate Deans Dr. P. N. Rasal, Dr. D. D. Pawar, , Dr. S. A. Ranpise, Dr. M. C. Ahire, Chief Scientist (Seed) Dr. A. V. Solanke, Heads of Departments, staff and employees were present in large number. Vice Chancellor Dr. Ashok Dhawan inaugurated the SMART Digital Classroom in Post Graduate Institute building.

59. Ganeshkhind Botanical Garden declared as Biodiversity Heritage Site

January 5, 2021. The Ganeshkhind Botanical Garden of Zonal Agricultural Research Station located at Pune under MPKV, Rahuri has been declared as the Biodiversity Heritage Site by Government of Maharashtra. The Ganeshkhind Botanical Garden, one of the oldest premier Horticultural Institution of India originated back to the Pre-British period between 1796-1818, when Bajirao Peshwa planted large number of mango trees on the bank of Mula river has been declared as a Biodiversity Heritage Site by Government of Maharashtra considering its biological and historical value. Large diversity as regards to wild and medicinal plants, fungi, microbes, insects, mammals, reptile and birds does exist in flora and fauna at Ganeshkhind, Pune. Dr. Vinay Supe, Associate Director of Research, ZARS, Ganeshkhind said that this declaration will help to conserve the existing biodiversity as well as plant new rare species.

60. Online training programme on summer soybean seed production organized



January 12, 2021. An online training programme on summer soybean seed production for the member farmers of Farmers-Scientists Forum was organized by the university in coordination with MAHABEEJ and State Department of Agriculture. Dr. S. R. Gadakh, Director of Research and Extension Education presided over the meeting. Shri. R. C. Joshi, District Manager, MAHABEEJ, Ahmednagar, Shri. Philip Desouza, Zonal Seed Certification Officer, Shri. Vilas Nalage, Deputy Director. Agriculture, Ahmednagar, Prof. M. M. Desai, Manager, ATIC and Dr. Milind Deshmukh, Soybean Breeder, ARS, Kasbe Digras, Sangli were present in online mode. In his address Dr. Gadakh said that the summer soybean seed production programme will meet the increasing demand of soybean seed of farmers for kharif season. Besides the incidence of pests, diseases would be at minimum level during summer season. The coordination of all agencies would certainly make this summer soybean seed production programme successful, he hoped. Shri. Joshi said that farmers would get an additional 25 per cent more market rate for their seed. Dr. Deshmukh guided the farmers on soybean seed production technology.

61. MPKV Agriculture Calendar-2021 released

January 25, 2021. The MPKV Agriculture Calendar-2021 was released at the auspicious





hands of Vice Chancellor Dr. Ashok Dhawan. Dr. A. L. Pharande, Dean, Faculty of Agriculture, Dr. S. R. Gadakh, Director of Research and Extension Education, Registrar Shri. Mohan Wagh, Comptroller Er. Vijay Kote, University Engineer Er. M. P. Dhoke and Officer Incharge, Communication Centre Dr. P. B. Kharde were present on this occasion. Vice Chancellor Dr. Dhawan hoped that the monthly calendar which comprises of agriculture related information would be helpful to the farmers.

62. Rabi Kisan Mela organized at KVK, Mohol

January 19, 2021. The Krishi Vigyan Kendra, Mohol, Dist. Solapur organized a Rabi Kisan Mela in collaboration with Crop Care Federation of India, New Delhi for the farmers in the jurisdiction. Mrs. Nirmala Patharwal, Executive Director, Crop Care Federation of India, New Delhi was present as Chief Guest and Dr. T. R. Walkunde, Programme Coordinator, KVK, Mohol chaired the function. Dr. V. R. Patil, Incharge Officer, ARS, Mohol, Dr. Nitin Thodsare, UPL Pvt. Ltd., Osmanabad, Shri. Sampat Kanthale, Agriculture Officer, Mohol were present. Field visit to rabi crop cafeteria was organized and farmers were guided on new crop varieties, crop recommendations etc. The safety kits were distributed to the participant farmers by UPL Pvt. Ltd. The KVK Subject Matter Specialists Shri. D. N. Kshirsagar (FST), Dr. S. G. Jadhav (Agro.) and Dr. P. N. Madavi (Plant Prot.) guided the farmers during the programme.

63. Brainstorming Workshop Panel Discussion on Drought Early Warning System organized



January 13, 2021. A Brainstorming Workshop Panel Discussion on Drought Early Warning System was organized by Centre for Advanced Agricultural Science and Technology (CAAST) for Climate Smart Agriculture and Water Management (CSAWM), MPKV, Rahuri. The draft framework developed for drought early warning system was presented before the expert panelists to seek their guidance followed by the discussion with the members of different organizations. Dr. Rakesh Chandra Agarwal, National Director (ICAR-NAHEP) and DDG (Education), ICAR, New Delhi was the chief guest for this workshop. Vice Chancellor Dr. Ashok Dhawan presided over the workshop. Dr. S. R. Gadakh, Director of Research and Extension Education welcomed all. Workshop Co-convenor, PI, CAAST-CSAWM and Head, Department of Agricultural Engineering, MPKV, Rahuri Dr. S. D. Gorantiwar gave a presentation on conceptual framework of Drought Early Warning System. Dr. Agarwal, in his address mentioned that the aspects selected by MPKV for Drought Early Warning System is an important component of National Agriculture Higher Education Project as well as a national priority. Accurate and reliable weather information for the development of a drought early warning system is very important. Dr. M. G. Shinde, Co-PI, CAAST-CSAWM thanked the dignitaries present on the occasion through online mode.

64. Interactive Session on Drought Action Network organized at Baramati

January 18, 2021. Drought Action Network (DAN) is being developed as a consortium of government institutions and non-governmental organizations in India for addressing the issues of drought by developing drought early warning system. The DAN is an effort towards focusing all the institutional energies towards finding scientific solutions for drought prevention and mitigation in India. The CAAST-CSAWM has developed collaboration with National and International organizations to support the different extension, education and research activities. Innosapien Agro-Technologies Pvt. Ltd., Mumbai is one of the partners. Innosapien Agro-Technologies Pvt. Ltd. along with different ICAR institutions, Bayer Group of India, Mumbai and Agricultural Development Trust, Baramati is collaborating with CAAST-CSAWM, MPKV Rahuri for the development of Drought Action Network. DAN which was launched during Krushik 2020 in KVK Baramati has been progressing well especially in the areas of setting up the Drought Early Warning System and better understanding the demand and supply side of water, achieving water efficiencies in major crops like sugarcane and rice. With this context an Interactive session was organized during the Krushik 2021 at Baramati for discussion on drought early warning system and other projects of DAN. The interactive session was held in presence of Shri. Sharad Pawar, Hon'ble Member of Parliament, Rajya Sabha, GOI, Mrs. Supriya Sule, Hon'ble Member of Parliament (Lok Sabha), GOI, Shri. Ajit Pawar, Hon'ble Deputy Chief Minister of Maharashtra, Shri. Dadaji Bhuse, Hon'ble Minister of Agriculture, GOM, Shri. Jayant Patil, Hon'ble Minister of Water Resources and Command Area Development, GOM, Shri. Shankarrao Gadakh, Hon'ble Minister of Soil and Water Conservation,

GOM, Shri. Dattatray Bharne, Hon'ble Minister of State for Soil and Water Conservation, GOM, Dr. Trilochan Mohapatra, Hon'ble Director General, ICAR, New Delhi, Shri. Rajendra Pawar, Hon'ble Chairman, Agricultural Development Trust, Baramati, Dr. A. L. Pharande, Dean, Faculty of Agriculture and Dr. S. R. Gadakh, Director of Research and Extension Education.

February 2021

65. Online lecture series organized on Agri-entrepreneurship and placement opportunities in agriculture and allied sectors



February 1-11, 2021. A two week online lecture series on Agri-entrepreneurship and Placement Opportunities in Agriculture and Allied Sectors was jointly organized by Post Graduate Institute and CAAST-CSAWM, MPKV, Rahuri. The inaugural function organized in presence of Dr. P. N. Rasal, Associate Dean, PGI, MPKV, Rahuri. In his inaugural address he briefed the role of agriculture and allied sectors in job placement. In the valedictory function the Chief Guest Dr. G. Venkateshwarlu, ADG (EQA&R), ICAR, New Delhi narrated the importance of value addition of agricultural produce for additional income to the farmers. Vice Chancellor Dr. A. S. Dhawan who chaired the programme highlighted the opportunities of international market for selling agriculture produce and employment opportunities in agri entrepreneurship. Dr.

A. L. Pharande, Dean, Faculty of Agriculture and Dr. S. R. Gadakh, Director of Research and Extension Education and Associate Dean Dr. M. C. Ahire were present for the programme. Dr. S. D. Gorantiwar, PI, CAAST-CSAWM briefed about the activities of the project. Total 350 PG and Ph.D. students participated in the programme.

66. Online International training programme organized on Water Resources Modelling



February 8-12, 2021. A one week online International training programme on Water Resources Modelling was organized by CAAST-CSAWM, MPKV, Rahuri. The training programme was started with the Keynote Speech of Dr. Eldho T. I, Institute Chair Professor, Dept. of Civil Engineering, Indian Institute of Technology, Powai, Mumbai. The training programme was followed with the valedictory function in the presence of Chief Guest Dr. J. V. Tyagi, Director, National Institute of Hydrology, Roorkee. Vice Chancellor Dr. A. S. Dhawan presided over the programme in presence of Dr. A. L. Pharande, Dean, Faculty of Agriculture, Dr. S. R. Gadakh, Director of Research and Extension Education, Convener Dr. S. D. Gorantiwar, PI, CAAST-CSAWM, Co-Convener Dr. A. A. Atre, Procurement Officer, CAAST-CSAWM and Organizing Secretary Dr. M. G. Shinde, CO-PI, CAAST-CSAWM. Dr. Tyagi enlightened the possibilities of development of hydrological models to

assess the future availability of water. By developing these hydrological models one can predict the future rainfall and climate and also conserve water and precise management of watershed, he added. Dr. Dhawan hoped that this training programme would be beneficial to the participants for water resources modeling.

67. Online training programme organized on National and International Higher Agricultural Education Opportunities



February 15-18, 2021. A four day online training programme on National and International Higher Agricultural Education Opportunities was organized by Post Graduate Institute, CAAST-CSAWM MPKV, Rahuri. The training programme was inaugurated by Dr. P. N. Rasal, Associate Dean, PGI, MPKV, Rahuri. Dr. Saravanan Raj, Director, Agril. Extension, MANAGE, Hyderabad was the chief guest and Vice Chancellor Dr. A. S. Dhawan was the Chairman for valedictory function in presence of Dr. S. R. Gadakh, Director of Research and Extension Education. Dr. S. D. Gorantiwar, PI, CAAST- CSAWM gave preamble of CAAST-CSAWM project and different activities under this project. Associate Dean Dr. M. C. Ahire briefed about training programme. Dr. Saravanan Raj guided and enlightened the participants on importance of capacity building for national and international higher agricultural education, opportunities and communication skills for students and faculty. Dr.

Dhawan in his presidential address focused on need of higher education and opportunities in agriculture and allied sectors.

68. Online training programme organized on Advanced Irrigation System

February 22 and 23, 2021. The Centre for Advanced Agricultural Science and Technology for Climate Smart Agriculture and Water Management and Inter-Faculty Department of Irrigation Water Management, MPKV, Rahuri had organized an online training programme for farmers and Agricultural Officers to make them aware about the advanced irrigation systems, precision water application technologies, its overview, care and maintenance. This training was aimed to help the farmers and agricultural officers for improving the water use efficiency and precision application of irrigation water to different crops. Focus of the training was on different technologies for efficient use of water, sprinkler irrigation method for efficient use of irrigation water, micro irrigation methods for efficient use of irrigation water, irrigation scheduling for sprinkler and micro irrigation, mobile and web-based applications: Phule Jal, Phule Irrigation Scheduler for irrigation scheduling of different crops and Auto Phule Irrigation Scheduler for automatic operation of pump and care and maintenance of drip and sprinkler irrigation systems. Total 28 farmers and 42 Agricultural Officers were benefitted from this training. The training programme was followed with the valedictory function in which Dr. S. R. Gadakh, Director of Research and Extension Education guided the trainees. Dr. M. S. Mane, Head, IFD-IWM gave preamble of the training programme. Dr. S. D. Gorantiwar, PI, CAAST-CSAWM reviewed the technologies developed by MPKV, Rahuri for precision water management.

69. Phule Robo bagged Rs. 1 lakh cash prize in Agri India Hackathon 2020



Phule Robo was presented by Dr. S. M. Nalawade, Head, Dept. of FMPE participated in the Agri India Hackathon 2020 which was organized by Pusa Krishi, Indian Council of Agricultural Research (ICAR) - Indian Agricultural Research Institute (IARI) and Department of Agriculture, Cooperation and Farmers' Welfare, Ministry of Agriculture and Farmers' Welfare, New Delhi. Phule Robo received the cash prize of Rs. 1 lakh and eligible for incubation support, technology validation and pre-seed and seed-stage funding of Rs. 5 lakhs and Rs. 25 lakhs, respectively. It is a remotely controlled battery operated rover for precision plant protection of orchard crops collaboratively developed by CAAST-CSAWM, MPKV, Rahuri and ASAP Agritech LLP, Nashik. Phule ROBO will be replacement for the traditional sprayers operated either by wheeled tractors or power tillers, also to the knapsack sprayers. It consists of rubber track for getting maximum traction in muddy soil condition which is battery operated remotely controlled rover. Its weight is around 150 kg with 70 lit. solution capacity. The water pump and two centrifugal nozzles are used for good coverage of the solution on the crop.

March 2021

70. Dr. P. G. Patil takes over as Vice Chancellor of MPKV, Rahuri



March 2, 2021. Dr. P. G. Patil, Director, ICAR-Central Institute for Research on Cotton Technology, Mumbai took over as Vice Chancellor of MPKV, Rahuri. A welcome programme was organized on this occasion. Dr. A. S. Dhawan, Acting Vice chancellor of MPKV, Rahuri and Vice Chancellor of VNMAU, Parbhani presided over the programme. In his address to the staff and faculty of MPKV, the new Vice Chancellor Dr. P. G. Patil hoped for a good co-operation from staff and students for taking the university to greater heights. He said that in future MPKV would be transformed to a global brand. In his address Dr. Patil put forth his future strategies of the university in agricultural education, research and extension education. He expressed the need for educating the agriculture graduates for competent skill which would assist them for successful entrepreneur. In research more emphasis will be given on reducing the cost of crop production of the farmers through nanotechnology. Digital platform would be utilized for effective transfer of technology. Farmers queries would be solved at the earliest, he said. Dr. Dhawan hoped that MPKV would progress effectively under the leadership of Dr. Patil. Shri. Nilkanth Avhad, Commissioner, Income Tax, Govt. of Punjab, Dr. A. L. Pharande, Dean, Faculty of Agriculture, MPKV, Rahuri, Dr. S. R. Gadakh, Director of Research

and Extension Education, MPKV, Rahuri, Dr. H. G. More, Former, Director of Extension Education, MPKV, Rahuri, faculty and staff were present for the programme in limited number following due care, precautions of COVID-19 pandemic.

71. Vice Chancellor Dr. P. G. Patil met Hon'ble Governor



March 15, 2021. Vice Chancellor Dr. P. G. Patil met Hon'ble Governor of Maharashtra and Chancellor of the University Shri. Bhagat Singh Koshyari in Rajbhavan, Mumbai after taking over the reigns of Vice Chancellor of MPKV, Rahuri. Dr. Patil briefed about the education, research and extension activities of the university. He sought the guidance of Hon'ble Governor regarding the agricultural inputs provided by MPKV, Rahuri to the farmers. Dr. Patil said that the university produced agricultural inputs like Phule seed, planting material, bioagents and biopesticides, liquid micronutrients are being sold through Sale Counters established in the university jurisdiction. He appraised Hon'ble Governor about the Organic Farming Project of the university. Dr. Patil said that the university would make efforts for skill development among agricultural graduates for encouraging their entrepreneurial abilities.

72. Vice Chancellor Dr. P. G. Patil met Hon'ble Shri. Sharad Pawar

March 18, 2021. Vice Chancellor Dr. P. G. Patil met Hon'ble Shri. Sharad Pawar, Former Union Minister of Agriculture, GOI and M.P. (Rajya Sabha) at Baramati.



He discussed about the university education, research and extension activities. Dr. Patil sought Shri. Pawar's guidance for overcoming the challenges in agriculture. Shri. Pawar assured that he would meet Central Ministers for solving university's problems. Dr. Patil also discussed about the university's land acquisition and compensation at Colleges of Agriculture, Pune and Dhule with respect to the State Government. He also put forth the issue of vacancies and funds required for research. Dr. Patil met Shri. Rajendra Pawar, Chairman, Agriculture Development Trust, Baramati and discussed regarding establishment of incubation centre.

73. Online National Certificate Course on Climate Smart Organic Farming organized

February 15 to March 07, 2021. A three week online National Certificate Course on Climate Smart Organic Farming was organized by the CAAST-CSAWM project and Organic Farming Research and Training Centre, MPKV, Rahuri. The certificate course session started with preamble by Dr. U. S. Surve, Professor of Agronomy and Course Director. Dr. S. D. Gorantiwar, Head, Department of Agricultural Engineering and PI, CAAST-CSAWM was the Convener and Dr. M. G. Shinde, Co-PI, CAAST-CSAWM was the Co-Convener of the certificate course. Dr. R. B. Deshmukh, Former Vice Chancellor, MPKV, Rahuri was the chief guest for valedictory function. Vice Chancellor Dr. P. G. Patil chaired this function in presence of University Directors Dr. A. L. Pharande and Dr. S. R. Gadakh. Dr. Gorantiwar briefed about CAAST-CSAWM



and review of the certificate course was taken by Dr. Surve. Dr. Pharande welcomed the guest and gave preamble of the session. Dr. R. B. Deshmukh guided and enlightened the participants about important and strategies of present and future organic farming research under climate change. Dr. Patil in his presidential address focused on organic farming and congratulate to all the CAAST team for successfully organized this certificate course. Dr. Gadakh also addressed the participants. The certificate course benefitted 80 trainees.

74. A three-day online workshop on Intellectual Property Rights and Patents in Agriculture

March 9-11, 2021. A three-day online workshop on Intellectual Property Rights and Patents in Agriculture was organized by CAAST-CSAWM, MPKV, Rahuri. The workshop had started with preamble by Organizing Secretary Dr. S. M. Nalawade, Head, Dept. of FMP and Member CAAST-CSAWM. Dr. Prabhat Kumar, Convener and National Coordinator (CAAST), ICAR- NAHEP, New Delhi in his inaugural address emphasized on the importance of intellectual properties (IP) for the development of nation by protecting the research done by the scientist. He also encouraged all the participants including all the research associates of CAAST-CSAWM for taking keen interest in how to file a patent and file maximum IP from MPKV Rahuri. Dr. S. D. Gorantiwar, PI, CAAST-CSAWM was the Convener and Dr. M. G. Shinde, Co-PI, CAAST-CSAWM was the Co-Convener of the workshop. The workshop was attended by 22 participants.



75. National Certificate Course on Basic Geoinformatics for CSA organized

February 22 to March 14, 2021. A three week online National Certificate Course on Basic Geoinformatics for Climate Smart Agriculture was organized by the CAAST-CSAWM project, MPKV, Rahuri. The certificate course session was started with preamble by Dr. S. D. Gorantiwar, Head, Department of Agricultural Engineering and PI, CAAST-CSAWM. Dr. Budhajirao Mulik, Founder President, Bhumata Charitable Trust, Pune, (honoured with Krishiratna and Krishi Bhushan) was the chief guest for valedictory function. Vice Chancellor Dr. P. G. Patil chaired this function in presence of University Directors Dr. A. L. Pharande and Dr. S. R. Gadakh. Dr. Gorantiwar briefed about CAAST-CSAWM and review of the certificate course was taken by Dr. B.K. Gavit. Dr. Pharande welcomed the guest and gave the preamble of the session. Dr. D. D. Pawar has guided and enlightened the participants about important and strategies of present and future Geospatial applications in agriculture sector. Dr. Gadakh also addressed the participants. Around 80 trainees were benefitted from this course.

76. Celebration of World Water Day



March 22, 2021. The Centre for Advanced Agricultural Science and Technology for Climate Smart Agriculture and Water Management, and Interfaculty Department of Irrigation Water Management, Post Graduate Institute, MPKV, Rahuri organized the World Water Day on the theme

Valuing water. Er. Arun Deshmukh, Head, Agronomy, SBU Centre and North India, Netafim Irrigation India Pvt. Ltd. was the speaker of the programme. Krishi Bhushan Mr. Pandurang Awad and Director, Natural Sugar and Allied Industries, Ranjani, Osmanabad was the chief guest of the programme. Vice Chancellor Dr. P. G. Patil chaired the programme. The programme was conducted in presence of Dr. A. L. Pharande, Dean, F/A, Dr. S. R. Gadakh, Director of Research and Extension Education; Dr. P. N. Rasal, Associate Dean, PGI and Dr. D. D. Pawar, Associate Dean, Dr. ASCAE&T. Vice Chancellor Dr. P. G. Patil in his presidential address emphasized about the value addition to water and about increasing the water productivity. Dr. Pawar highlighted the national scenario of importance of water. Dr. S. D. Gorantiwar, PI, CAAST-CSAWM emphasized different technologies developed by MPKV, Rahuri. Dr. Pharande welcomed the speaker and chief guest. Er. Deshmukh talked on the topic Drip fertigation and digital farming for increasing water use efficiency and narrated all the aspects of the irrigation using smart irrigation system along with fertigation. Mr. Awad addressed about the importance of water management and narrated the water management aspects of sugarcane crop. Dr. M.S. Mane, Head, Department of IWM narrated about the theme of World Water Day and why it is necessary to celebrate the world water day. The programme was conducted in both online and offline mode and 250 candidates joined the session.

6. Awards

1. Best Vice Chancellor Award bestowed upon Dr. Viswanatha

September 11, 2020. Vice Chancellor Dr. K. P. Viswanatha was bestowed with the Best Vice Chancellor Award by the Golden A.I.M. Conference and Awards for his dedicated and excellent leadership of the university. The award certificate was given in online mode. As a Vice Chancellor of MPKV, Rahuri Dr. Viswanatha has initiated many activities which has improved the university's ranking at national level. He has also initiated the cleanliness campaign in the university. He has called for Clean University Green University campaign.



2. Dr. M. C. Ahire elected as Vice President and Dr. S. D. Patil as Executive Counselor of ISEE

December 15, 2020. Dr. M. C. Ahire, Associate Dean, Punyshlok Ahilyadevi Holkar College of Agriculture, Halgaon and Head, Department of Agriculture Extension and Communication, MPKV, Rahuri was elected as Vice President (West Zone) of Indian Society of Extension Education (ISEE), New Delhi. The elections for various posts of Indian Society of Extension Education were held in online mode. Dr. Ahire secured more than 80 per cent votes for the post of Vice President of West Zone which comprised of states viz., Maharashtra, Gujarat, Rajasthan and Goa. Dr. S. D. Patil, Assistant Professor of Agril.



Extension, College of Agriculture, Dhule was also nominated as Executive Counselor of West Zone of ISEE during the declaration of result by Returning Officer.

3. Dr. Anand Solanke selected as the Secretary of Maharashtra Agricultural Technicians Association

March 9, 2021. Meeting of the newly elected members of the State Level Regulatory Board of the Maharashtra Agricultural Technicians was held on 6th March, 2021 at Horticulture College, Pune. The following members of the Executive Committee were elected from among the elected members for the next three years. This includes experts in the field of agriculture, thinkers, retired Vice-Chancellor. In this Dr. Venkatrao Mayande, Dr. Rajaram Deshmukh, Dr. Umakant Dangat, Shri. Jaywant Mahalle, Dr. Parag Haldankar, Dr. Ramakrishna Mule, Dr. Sudam Adsul, Dr. Purushottam Zanwar, Dr. Anand Solanke, Dr. Usha Dongarwar, Shri. Atul Marane has been selected. On this committee, Head Department of Agronomy Dr. Anand Solanke has been selected as the secretary.



4. Dr. P. B. Kharde bagged the BEST ORAL PRESENTATION AWARD at National Conference

August 20-21, 2020. Dr. P. B. Kharde, Associate Professor of Agril. Extension and Officer Incharge, Communication Centre, MPKV, Rahuri bagged the BEST ORAL PRESENTATION AWARD at the National Conference on Transformation of Agricultural Extension-Strategies for Effective Reformation (TAESERE 2020) organized in online mode. This National Conference



was organized by Acharya N. G. Ranga Agricultural University, Agricultural College, Bapatla (Andhra Pradesh) on the occasion of its Platinum Jubilee Celebrations in co-ordination with ICAR, New Delhi, NAHEP and NABARD. The award consisted of a Certificate and Memento. There were nine themes in the Conference. Dr. Kharde who is also the PI of ICAR Farmer FIRST programme presented the paper (Oral) on the topic entitled Economic impact of ICAR Farmer FIRST Programme on farmer participants. Around 240 scientists from across the country participated in the Conference. The award certificate was awarded to Dr. Kharde during the valedictory function in presence of Chief Guest Dr. Y. G. Prasad, Director, ICAR-ATARI, Hyderabad, Dr. P.V. Krishnayya, Chairman, Dr. P.V. Satya Gopal, Organizing Secretary and other delegates.

5. Dr. Garande felicitated with the Achievement Award

July 1, 2020. Dr. Vishnu Garande, Officer Incharge and Professor of Horticulture (CAS), AICRP on Fruits, Department of Horticulture, MPKV, Rahuri was awarded with the All India Paramount Achievement



Award-2019 by Society for Advancement of Human and Nature (SADHNA), Y. S. Parmar University of Horticulture and Forestry, Nauni, Solan, H.P. for the year 2019 with cash prize of Rs. 5000/- in July-2020. The All India Paramount Achievement Award was conferred to the Dr. Garande for his dedicated and excellent contribution in the field of horticultural research and education with special expertise in the field of Post-harvest handling and Processing of horticultural crops.

6. AICRP on Mushroom awarded with the Best Performing AICRP Centre Award

June 8-9, 2020. The AICRP on Mushroom at College of Agriculture, Pune has been first time bestowed with the Best Performing AICRP Centre Award for the year 2019-20 during the virtual Annual Workshop (2019-20) held under the chairmanship of Dr. Trilochan Mohapatra, Hon'ble Secretary, DARE and Director General, ICAR, New Delhi. The workshop had the auspicious presence of Dr. A.K. Singh, DDG (HS), ICAR, New Delhi, Dr. T. Janakiram, ADG, ICAR, New Delhi and Dr. V.P. Sharma, Director and Project Coordinator, ICAR-Directorate of Mushroom Research (DMR), Solan, H. P.

7. Human Resource

7.1 Executive Officers

Sr. No.	Executive Officer	Period	
1	The Chancellor	Hon'ble Shri Bhagat Singh Koshyari	5 th September, 2019 to till date
2	The Pro Chancellor	Hon'ble Shri. Dadaji Bhuse	30 th December, 2019 to till date
3	The Vice Chancellor	Dr. K.P. Viswanatha	31 st December, 2015 to 4 th November, 2020
		Dr. A. S. Dhawan	5 th November, 2020 to 1 st March 2021
		Dr. P. G. Patil	2 nd March, 2021 to till date

7.2 Executive Council Members list (1st April, 2020 to 31st March, 2021)

Sr. No.	Category	Hon. Member	Address	Period
1	Ex-officio Chairman	Hon. Vice-Chancellor	Mahatma Phule Krishi Vidyapeeth, Rahuri	--
2	Ex-officio Member	Director of Agriculture (Input & Quality Control) nominated by Agricultural Commissioner, Govt. of Maharashtra	Commissionrate of Agril., Central Building, Pune	--
3	Ex-officio Member	Regional Joint Director of Animal Husbandry nominated by Commissioner of Animal Husbandry	Veternary Despensary, Near Ashok Stambha, Nashik	--
4	Ex-officio Member	Director of Horticulture	Near Superintedant of Agril officer of Maharashtra State office, Narvir Tanaji Road, Shivajinagar, Pune	--
5	Ex-officio Member	Chief Conservator of Forest (Regional)	Old Mumbai-Agra Highway, Tryambak Naka, Opp. to Adivasi Vikas Bhavan, Nashik	--
6	Member (Nominated by V.C.)	Director of Research	Mahatma Phule Krishi Vidyapeeth, Rahuri	24/9/2019 to 23/9/2021
7	Nominated Member (Nominated by V.C.)	Dean (Agril.)	Mahatma Phule Krishi Vidyapeeth, Rahuri	24/9/2019 to 23/9/2021
8	Ex-officio Member	Regional Dairy Development Officer nominated by Dairy Development Commissioner, Govt. Of Maharashtra	Nasik Division, Campus of Govt. Dairy Scheme, Tryambak Raod, Nashik	--



9	Ex-officio Member	Regional Dy. Director of Fisheries, Nasik nominated by Fisheries Commissioner, Govt. of Maharashtra	Old Govt. Ashwin Barrel No.13, Near Divisional Comminssior Office, Nashik Road, Nashik	--
10	Member (Agriculture Scientist)	Dr. Bandi Venkateswarlu	House no. 5-5-552, Plot no. 30, Abhyudayanagar, L B Nagar, Hyderabad	31/8/2019 to 30/8/2022
11	Member (Progressive Farmers 05)	Shri. Tushar Balasaheb Pawar	A/P Belwade Haveli, Tal Karad, Dist Satara.	08/2/2018 to 05/3/2020
12		Shri. Nathaji Dattatray Chowgule	A/P Malwadi, Kotvali, Tal. Panhala, Dist. Kolhapur	30/7/2018 to 29/7/2021
13		Saw. Sunita Jaywant Patil	A/P Binchur (Bhavaninagar) Tal. Valva, Dist. Sangli	30/7/2018 to 29/7/2021
14		Dr. Pankajkumar Suresh Mahale	Plot. No. 65, Jay Hind Colony, Deopur, Dhule	30/7/2018 to 29/7/2021
15		Dr. Vijayprakash Kisanrao Thombre	A/P Mangalvar Peth, Kej, Dist. Beed	30/7/2018 to 29/7/2021
16	Member (ICAR Nominate) (One)	Dr. Major Singh,	ICAR-Directorate of Onion and Garlic Research, Pune-Nashik Highway No. 50, Director Rajgurunagar, Pune	26/3/2021 to 25/3/2024
17	Agro Industrialist (One)	Shri. Dattatray Bhavusaheb Pansare	Shri Dattakrupa Niwas, Line No. 02, Banglow no. 2, Opposite Shilpa guardan, Manik Nagar, Ahmednagar	25/7/2019 to 24/7/2022
18	Member (Member Maharashtra Legislative Assembly-03)	Vacant Post	--	--
19		Vacant Post	--	--
20		Vacant Post	--	--
21	Member (Member Maharashtra Legislative Council-02)	Hon. MLC, Shri. Prakash Gajbhiye	Sai Prabhu Apartment, Ravi Nagar Chawk, Nagpur	5/10/2015 to 6/6/2020
22		Hon. MLC, Shri. Narendra Darade,	A/P Bhabulgaon, Tal. Yeola, Dist. Nashik	6/2/2019 to 21/6/2024
23		Hon. MLC, Shri. Kishor Darade,	House no. 3426, old mali galli, Yeola, Tal. Yeola, Dist. Nashik	23/12/2020 to 7/7/2024
24	Member (Chairman of Agril.Committee of ZP) (Two)	Vacant Post	--	--
25		Vacant Post	--	--
26	Ex-officio Member Secretary	Registrar	Mahatma Phule Krishi Vidyapeeth, Rahuri	--
27	Invitee	Comptroller	Mahatma Phule Krishi Vidyapeeth, Rahuri	--

7.3 Academic Council Members (1st April 2020 to 31st March 2021)

Sr. No.	Category	Hon. Member Name / Designation	Address	Remark
1	Ex-officio Chairman	Hon. Vice Chancellor	Mahatma Phule Krishi Vidyapeeth, Rahuri	
2	Ex-officio Member	Director of Extension Education	Mahatma Phule Krishi Vidyapeeth, Rahuri	
3	Ex-officio Member	Director of Instruction	Mahatma Phule Krishi Vidyapeeth, Rahuri	
4	Ex-officio Member	Director of Research	Mahatma Phule Krishi Vidyapeeth, Rahuri	
5	Ex-officio Member	Dean (Agril.)	Mahatma Phule Krishi Vidyapeeth, Rahuri	
6	Ex-officio Member	Dean (Agril. Engg.)	Mahatma Phule Krishi Vidyapeeth, Rahuri	
7	Ex-officio Member	Associate Dean (PGI)	Post Graduate Institute, Mahatma Phule Krishi Vidyapeeth, Rahuri	
8	Ex-officio Member	Associate Dean (CAE)	Dr. Annasaheb Shinde College of Agricultural Engineering & Technology, Mahatma Phule Krishi Vidyapeeth, Rahuri	
9	Ex-officio Member	Associate Dean (LAE)	Lower Agriculture Education, Mahatma Phule Krishi Vidyapeeth, Rahuri	
10	Ex-officio Member	Associate Dean	College of Agriculture, Pune	
11	Ex-officio Member	Associate Dean	Rajarshee Chhatrapati Shahu Maharaj College of Agriculture, Kolhapur	
12	Ex-officio Member	Associate Dean	College of Agriculture, Dhule	
13	Ex-officio Member	Associate Dean	College of Agriculture, Nandurbar	
14	Ex-officio Member	Associate Dean	College of Agriculture, Karad	
15	Ex-officio Member	Associate Dean	College of Agriculture, Muktainagar, Jalgaon	
16	Ex-officio Member	Associate Dean	Punyashlok Ahilyadevi Holkar College of Agriculture, Halgaon	
17	Ex-officio Member	Head, Department of Agronomy	Mahatma Phule Krishi Vidyapeeth, Rahuri	
18	Ex-officio Member	Head, Dept. of Animal Science and Dairy Science	Mahatma Phule Krishi Vidyapeeth, Rahuri	
19	Ex-officio Member	Head, Department of Agril. Botany	Mahatma Phule Krishi Vidyapeeth, Rahuri	



20	Ex-officio Member	Head, Department of Soil Sci. & Chemistry	Mahatma Phule Krishi Vidyapeeth, Rahuri	
21	Ex-officio Member	Head, Department of Agril. Economics	Mahatma Phule Krishi Vidyapeeth, Rahuri	
22	Ex-officio Member	Head, Department of Agril. Engineering	Mahatma Phule Krishi Vidyapeeth, Rahuri	
23	Ex-officio Member	Head, Department of Agril. Entomology	Mahatma Phule Krishi Vidyapeeth, Rahuri	
24	Ex-officio Member	Head, Department of Agril Extension	Mahatma Phule Krishi Vidyapeeth, Rahuri	
25	Ex-officio Member	Head, Department of Horticulture	Mahatma Phule Krishi Vidyapeeth, Rahuri	
26	Ex-officio Member	Head, Department of Plant Pathology	Mahatma Phule Krishi Vidyapeeth, Rahuri	
27	Ex-officio Member	Head, Dept. of Food Science & Technology	Mahatma Phule Krishi Vidyapeeth, Rahuri	
28	Ex-officio Member	Head, Department of Bio-Chemistry	Mahatma Phule Krishi Vidyapeeth, Rahuri	
29	Ex-officio Member	Head, IFD-Irrigation Water Management	Mahatma Phule Krishi Vidyapeeth, Rahuri	
30	Ex-officio Member	Head, Department of Farm Machinery & Power, Mech. Engg., Physics,	Mahatma Phule Krishi Vidyapeeth, Rahuri	
31	Ex-officio Member	Head, Department of Irri.& Drainage Engg.	Mahatma Phule Krishi Vidyapeeth, Rahuri	
32	Ex-officio Member	Head, Dept. of Soil & Water Conservation Engg.,	Mahatma Phule Krishi Vidyapeeth, Rahuri	
33	Ex-officio Member	Head, Department of Agril. Process Engg.,	Mahatma Phule Krishi Vidyapeeth, Rahuri	
34	Ex-officio Member	Head, Department of Farm Sturcture, Rural Elect., Civil & Elect. Engg.	Mahatma Phule Krishi Vidyapeeth, Rahuri	
35	Ex-officio Member	Head, Department Agril. Meterology	College of Agriculture, Pune	
36	Ex-officio Member	Soils Specialist	Agril. Research Station, Solapur	
37	Ex-officio Member	Sugarcane Specialist	Central Sugarcane Research Station, Padegaon	
38	Ex-officio Member	Oilseeds Specialist	Oilseeds Research Station, Jalgaon	
39	Ex-officio Member	Wheat Specialist	Wheat Research Station, Niphad, Dist. Nashik	
40	Ex-officio Member	Student Welfare Officer	Mahatma Phule Krishi Vidyapeeth, Rahuri	

41	Ex-officio Member Secretary	Registrar	Mahatma Phule Krishi Vidyapeeth, Rahuri	
Invitee Member (As per decision of AC (68) held on 15/2/96, vide subject No. 2)				
42	Invitee	Associate Director of Research	NARC, Sub-Montane Zone, Shenda Park, Kolhapur	
43	Invitee	Associate Director of Research	NARC, Plain Zone, Ganeshkhind, Pune	
44	Invitee	Associate Director of Research	NARC, Western Ghat Zone, Igatpuri, Dist. Nashik	
45	Invitee	Associate Director of Research	NARC, Scarcity Zone, Raviwarpeth, Solapur	
Invitee Member (As per decision of AC (95) held on 14/02/11)				
46	Invitee	Principal	College of Horticulture, Pune	
Invitee Member (As per decision of AC (98) held on 14/02/13)				
47	Invitee	Associate Director of Research	Office of the Directorate of Research, MPKV, Rahuri	
Co-opt Members (As per subject no. 6 of AC held on 25/09/2018)				
48	Co-opt. Member	Dr. R. B. Deshmukh, (Former Vice Chancellor, MPKV, Rahuri)	Raj Banglow, 46, Vrindwan, Sector A/B, Co operative Housing Society, Panchwati, Pashan, Pune-411008	6/9/2018 to 5/9/2020
49	Co-opt. Member	Dr. K. E. Lawande, (Former Vice-Chancellor, Dr. BSKKV, Dapoli)	C7, Nisarg Phase II, KasbateVasti, Wakad, Pune 411 057	6/9/2018 to 5/9/2020
50	Co-opt. Member	Dr. V. M. Mayande, (Former Vice Chancellor, Dr. PDKV, Akola)	B-504, Mont Vert, Biarritz-2, Baner-Pashan Link road, Pune 411 021	6/9/2018 to 5/9/2020
51	Co-opt. Member	Dr. K. V. Prasad, Director, ICAR- Directorate of Floriculture Research, Pune	College of Agriculture Campus Pune 411 005	6/9/2018 to 5/9/2020
Principal of Affiliated Colleges (MAU Act 1983, Section 33 (2) (viii) read with Statute 4 (viii)				
52	Member	The Principal	College of Agril. Business Management, Narayangaon, Dist. Pune	
53	Member	The Principal	College of Agriculture, Akluj, Dist. Solapur	
54	Member	The Principal	College of Agril. Biotechnology, Vidyanagari, Bhigwan Road, Baramati, Dist. Pune	
55	Member	The Principal	College of Agriculture, Ambi, Tal- Wadgaon Maval, Dist. Pune	
56	Member	The Principal	K.K.Wagh College of Agriculture, Nasik, Dist. Nasik	



7.4 Academic Officer

Sr. No.	Designation of post	Name of Officer	Pay Scale (Rs.)	Period	
				From	To
1.	Dean, Faculty of Agril. and Director of Instruction	Dr. A.L.Pharande	37400-67000 +10000 AGP + 4000 SPLA	01.04.2020	31.03.2021
2.	Director of Research	Dr. S.R.Gadakh	37400-67000 +10000 AGP + 4000 SPLA	01.04.2020	31.03.2021
3.	Director of Extension Education	Dr. S.R.Gadakh Holding additional charge	37400-67000 +10000 AGP + 4000 SPLA	01.04.2020	31.03.2021
4.	Associate Dean (PGI)	Dr. Y. G. Phulpagare Holding additional charge	37400-67000 +10000 AGP + 3000 SPLA	01.04.2020	21.09.2020
		Dr. P. N.Rasal	37400-67000 +10000 AGP + 3000 SPLA	22.09.2020	31.03.2021
5.	Associate Dean, Agril. Engineering	Dr. D. D.Pawar	37400-67000 +10000 AGP + 3000 SPLA	01.04.2020	31.03.2021
6.	Associate Dean (LAE)	Dr. S.A.Ranpise Addl. Charge	37400-67000 +10000 AGP	01.04.2020	31.03.2021
7.	Associate Dean, College of Agril. Dhule	Dr. M. C. Ahire Holding additional charge	37400-67000 +10000 AGP	01.04.2020	31.05.2020
		Dr. C.D.Deokar Holding additional charge	37400-67000 +10000 AGP	01.06.2020	31.03.2021
8.	Associate Dean, College of Agril. Pune	Dr. G.G.Khot Holding additional charge	37400-67000 +10000 AGP + 3000 SPLA	01.04.2020	31.07.2020
		Dr. S.D.Masalkar Holding additional charge	37400-67000 +10000 AGP + 3000 SPLA	01.08.2020	31.03.2021
9.	Associate Dean, College of Agril. Kolhapur	Dr.P.N.Rasal	37400-67000 +10000 AGP	01.04.2020	21.09.2020
		Dr. S.R.Shinde Holding additional charge	37400-67000 +10000 AGP + 3000 SPLA	22.09.2020	31.03.2021
10.	Associate Dean, College of Nandurbar	Dr. S.B.Kharbade	37400-67000 +10000 AGP + 3000 SPLA	01.04.2020	31.03.2021
11.	Associate Dean, College of Agril. Karad	Dr. R.R.Surywanshi Incharge, Associate Dean	37400-67000 +10000 AGP + 3000 SPLA	01.04.2020	31.03.2021
12.	Associate Dean, College of Agril. Halgaon	Dr. V.D.Shende Holding additional charge	37400-67000 +10000 AGP + 3000 SPLA	01.04.2020	31.05.2020
		Dr. M.C.Ahire Holding additional charge	37400-67000 +10000 AGP + 3000 SPLA	01.06.2020	31.03.2021
13.	Associate Dean, College of Agril. Muktainagar	Dr. S.C.Patil Holding additional charge	37400-67000 +10000 AGP + 3000 SPLA	01.04.2020	31.03.2021
14.	Associate Dean, College of Agril. Kasti	Dr. P.N.Shendge Holding additional charge	37400-67000 +10000 AGP + 3000 SPLA	01.04.2020	12.01.2021
		Dr. V.A.Shinde Holding additional charge	37400-67000 +10000 AGP + 3000 SPLA	14.01.2021	31.03.2021



7.5 Academic Staff- Head of Department (Annual Report 1.04.2020 to 31.03.2021)

Sr. No.	Designation of post	Name of Officer	Pay Scale (Rs.)	Period	
				From	To
1.	Head, Department of Agronomy	Dr. A.V.Solanke Holding additional charge	37400-67000 +10000 AGP	01.04.2020	31.03.2021
2.	Head, Department of Soil Science & Agril. Chemistry	Dr. B.D.Bhakre	37400-67000 +10000 AGP	01.04.2020	31.03.2021
3.	Head, Department of Agril. Botany	Dr. A.S.Jadhav Addl.Charge	37400-67000 +10000 AGP	01.04.2020	31.03.2021
4.	Head, Department of Entomology	Dr. C.S.Patil	37400-67000 +10000 AGP	01.04.2020	31.03.2021
5.	Head, Department of Pathology	Dr. T.K.Narute	37400-67000 +10000 AGP	01.04.2020	31.03.2021
6.	Head, Department of Horticulture	Dr. S.A.Ranpise	37400-67000 +10000 AGP	01.04.2020	31.03.2021
7.	Head, Department of Animal Science & Dairy Science	Dr. Y.G.Fulpagare	37400-67000 +10000 AGP	01.04.2020	30.11.2020
		Dr. D.K.Kamble Holding additional charge	37400-67000 +10000 AGP	01.12.2020	31.03.2021
8.	Head, Department of Food Science & Technology	Dr. U.D.Chavan	37400-67000 +10000 AGP	01.04.2020	31.03.2021
9.	Head, Department of Agril. Engineering	Dr. S.D.Gorantiwar	37400-67000 +10000 AGP	01.04.2020	31.03.2021
10.	Head, Department of Agril. Meteorology	Dr. J.D.Jadhav Holding Additional Charge.	37400-67000 +10000 AGP	01.04.2020	31.03.2021
11.	Head, Department of Extension Education	Dr. S. B. Shinde Holding Additional Charge.	37400-67000 + 10000 AGP	01.04.2020	31.05.2020
		Dr. M.C.Ahire	37400-67000 +10000 AGP	01.06.2020	31.03.2021
12.	Head, Department of Agril. Economics	Dr. D.B.Yadav	37400-67000 +10000 AGP	01.04.2020	31.03.2021



7.6 Other Officers (Annual Report 1.04.2020 to 31.03.2021)

Sr. No.	Designation of post	Name of Officer	Pay Scale (Rs.)	Period	
				From	To
1.	Registrar	Dr. S.R.Kasar	37400-67000 + 8700 AGP	01.4.2020	20.04.2020
		Dr. D.D.Pawar	37400-67000 + 8700 AGP	21.4.2020	04.06.2020
		Shri. Mohan Wagh	37400-67000 + 8700 AGP	05.6.2020	31.03.2021
2.	Comptroller	Shri. V.A.Kote	15600-39100 + 6600 AGP	01.04.2020	31.03.2021
3.	Students Welfare Officer	Dr. M.R.Chavan Holding additional charge	15600-39100 + 6600 AGP	01.04.2020	31.03.2021
4.	University Librarian	Shri. A.B.Deshmukh	15600-39100 + 6600 AGP	01.02.2020	31.03.2021
5.	University Engineer	Shri. M.P.Dhokhe	15600-39100 + 7600 AGP	01.04.2020	31.03.2021
6.	Sports Officer	Shri. D.M.Gaikwad Holding additional charge	15600-39100 + 6600 AGP	01.04.2020	31.03.2021
7.	Medical Officer	Dr. (Smt.) V.R.Hile	9300-34800+ 4400 AGP	01.04.2020	31.03.2021



7.7 University Manpower

Sr. No.	Cadre	Pay Scale (Revised)	Sanctioned Posts	Posts filled in	Vacant Posts
1	2	3	4	5	6
Group-A					
1.	Hon. Vice-Chancellor	Fix Pay Rs.75,000/- +5000 = 80,000/-	1	1	0
2.	Registrar	37400-67000 + GP 8700 +SPL.4000	1	1	0
3.	Director of Research	37400-67000 + GP 10000 +SPL.4000	1	1	0
4.	Director of Extension Education	37400-67000 + GP 10000 +SPL.4000	1	0	1
5.	Director of Instruction and Dean, Faculty of Agriculture	37400-67000 + GP 10000 +SPL.4000	1	1	0
6.	Associate Dean (Agri.)	37400-67000 + GP 10000 +SPL.3000	11	2	9
7.	Associate Dean (Engineering)	37400-67000 + GP 10000 +SPL.3000	1	1	0
8.	Head of Departments	37400-67000 + GP 10000	12	8	4
9.	Professor of Agronomy	37400-67000 + GP 10000	13	4	9
10.	Professor of Soil Science & Agril. Chemistry	37400-67000 + GP 10000	6	2	4
11.	Professor of Bio-Chemistry	37400-67000 + GP 10000	1	1	0
12.	Professor of Food Science and Technology	37400-67000 + GP 10000	1	0	1
13.	Professor of Inter Faculty Water Management	37400-67000 + GP 10000	1	1	0
14.	Professor of Agril. Botany	37400-67000 + GP 10000	18	7	11
15.	Professor of Agril. Entomology	37400-67000 + GP 10000	6	1	5
16.	Professor of Plant Pathology	37400-67000 + GP 10000	9	2	7
17.	Professor of Horticulture	37400-67000 + GP 10000	10	3	7
18.	Professor of Animal Science & Dairy Science	37400-67000 + GP 10000	6	2	4
19.	Professor of Agril. Economics	37400-67000 + GP 10000	6	1	5
20.	Professor of Agril. Extension	37400-67000 + GP 10000	5	2	3
21.	Professor of Statistics	37400-67000 + GP 10000	2	0	2



22.	Professor of Soil Water Conservation Engineering	37400-67000 + GP 10000	2	2	0
23.	Professor of Agril. Process Engineering	37400-67000 + GP 10000	2	2	0
24.	Professor of Irrigation and Drainage Engineering	37400-67000 + GP 10000	2	0	2
25.	Professor of Farm Power and Machinery	37400-67000 + GP 10000	5	0	5
26.	Professor of Physics	37400-67000 + GP 10000	1	0	1
27.	Professor of Electric Engineering	37400-67000 + GP 10000	1	0	1
28.	Professor of Civil Engineering	37400-67000 + GP 10000	1	0	1
29.	Professor of Mathematics	37400-67000 + GP 10000	1	0	1
30.	Associate Director of Research	37400-67000 + GP 10000	3	0	3
31.	Professor of Food Process Technology	37400-67000 + GP 10000	1	0	1
32.	Professor of Food Safety and Quality	37400-67000 + GP 10000	1	0	1
33.	Professor of Food Process Engineering	37400-67000 + GP 10000	1	0	1
34.	Professor of Business Management	37400-67000 + GP 10000	1	0	1
35.	Professor of Food Plant Operations	37400-67000 + GP 10000	1	0	1
36.	Professor of Business Management	37400-67000 + GP 10000	1	0	1
37.	Professor of Marketing	37400-67000 + GP 10000	1	0	1
38.	University Librarian	37400-67000 + GP 10000	1	0	1
39.	Asso.Prof. of Agronomy	37400-67000 + GP 9000	43	31	12
40.	Asso.Prof. Agri.Botany	37400-67000 + GP 9000	33	22	11
41.	Asso.Prof. of Bio-Chemistry	37400-67000 + GP 9000	3	3	0
42.	Asso.Prof. of Soil Science & Agril. Chemistry	37400-67000 + GP 9000	23	12	11
43.	Asso.Prof. of Agri. Entomology	37400-67000 + GP 9000	16	7	9
44.	Asso.Prof. Plant Pathology	37400-67000 + GP 9000	19	11	8
45.	Asso.Prof. Animal Science & Dairy Science	37400-67000 + GP 9000	15	11	4
46.	Asso.Prof. of Agril. Economics	37400-67000 + GP 9000	12	7	5
47.	Asso.Prof., Horticulture	37400-67000 + GP 9000	31	20	11
48.	Asso.Prof, Agril. Extension	37400-67000 + GP 9000	12	8	4
49.	Asso.Prof. Statistics	37400-67000 + GP 9000	2	1	1
50.	Asso.Prof., English	37400-67000 + GP 9000	1	0	1
51.	Asso.Prof. of Hindi/Marathi	37400-67000 + GP 9000	2	0	2



52.	Asso.Prof., Food Science & Technology	37400-67000 + GP 9000	1	1	0
53.	Asso.Prof. of Soil & Conservation Engineering	37400-67000 + GP 9000	6	5	1
54.	Asso.Prof. Agril. Process Engineering	37400-67000 + GP 9000	6	4	2
55.	Asso.Prof. Farm Power Machinery	37400-67000 + GP 9000	4	2	2
56.	Asso.Prof.Irrigation and Drainage Engineering	37400-67000 + GP 9000	4	2	2
57.	Asso.Prof. Physics	37400-67000 + GP 9000	1	0	1
58.	Asso.Prof. Veterinary Science	37400-67000 + GP 9000	2	1	1
59.	Asso.Prof. Food Process Technology	37400-67000 + GP 9000	2	0	2
60.	Asso.Prof. Food Safety and Quality	37400-67000 + GP 9000	2	0	2
61.	Asso.Prof.Food Process Engineering	37400-67000 + GP 9000	2	0	2
62.	Asso.Prof.Food Busines Management	37400-67000 + GP 9000	2	0	2
63.	Asso.Prof.Food Plant Operations	37400-67000 + GP 9000	2	0	2
64.	Asso.Prof. of Busines Management	37400-67000 + GP 9000	0	0	0
65.	Asso.Prof. of Marketing	37400-67000 + GP 9000	0	0	0
66.	Asso.Prof. of Banking Finance and Auditing	37400-67000 + GP 9000	0	0	0
67.	Asstt.Prof., Agronomy	15600-39100 + GP 6000	68	29	39
68.	Asstt.Prof.,Soil Science & Agril. Chemistry	15600-39100 + GP 6000	38	31	7
69.	Asstt.Prof, Bio Chemistry	15600-39100 + GP 6000	5	3	2
70.	Asstt.Prof., Food Science and Technology	15600-39100 + GP 6000	3	0	3
71.	Asstt.Prof. of Agril. Botany	15600-39100 + GP 6000	54	38	16
72.	Asstt.Prof. of Entomology	15600-39100 + GP 6000	48	27	21
73.	Asstt.Prof. of Plant Pathology	15600-39100 + GP 6000	48	32	16
74.	Asstt.Prof. of Animal Science & Dairy Science	15600-39100 + GP 6000	28	12	16
75.	Asstt.Prof. of Agril. Economics	15600-39100 + GP 6000	22	14	8
76.	Asstt.Prof. of Horticulture	15600-39100 + GP 6000	52	40	12
77.	Asstt.Prof. of Agril. Extension	15600-39100 + GP 6000	22	14	8
78.	Asstt.Prof. of Veterinary Science	15600-39100 + GP 6000	5	3	2
79.	Asstt.Prof. of Statistics	15600-39100 + GP 6000	11	6	5
80.	Asstt.Prof. of Mathematics	15600-39100 + GP 6000	2	2	0
81.	Asstt.Prof. of Meteorology	15600-39100 + GP 6000	4	1	3



82.	Asstt.Prof. of English	15600-39100 + GP 6000	3	2	1
83.	Asstt.Prof. of Home Science	15600-39100 + GP 6000	0	0	0
84.	Asstt.Prof. of Agril. Environment	15600-39100 + GP 6000	2	0	2
85.	Asstt.Prof. of Food Process Technology	15600-39100 + GP 6000	4	0	4
86.	Asstt.Prof. of Food Safety and Quality	15600-39100 + GP 6000	3	0	3
87.	Asstt.Prof. of Food Process Engineering	15600-39100 + GP 6000	3	0	3
88.	Asstt.Prof. of Food Business Management	15600-39100 + GP 6000	2	0	2
89.	Asstt.Prof. of Food Process Technology	15600-39100 + GP 6000	3	0	3
90.	Asstt.Prof. of Food Business Management	15600-39100 + GP 6000	1	0	1
91.	Asstt.Prof. of Marketing	15600-39100 + GP 6000	1	0	1
92.	Asstt.Prof. of Banking, Finance and Auditing	15600-39100 + GP 6000	1	0	1
93.	Asstt.Prof. of Soil & Water Conservation Engineering	15600-39100 + GP 6000	10	6	4
94.	Asstt.Prof. of Agril. Process Engineering	15600-39100 + GP 6000	7	3	4
95.	Asstt.Prof. of Farm Power & Machinery	15600-39100 + GP 6000	7	4	3
96.	Asstt.Prof. of Irrigation and Drainage Engineering	15600-39100 + GP 6000	11	10	1
97.	Asstt.Prof. of Physics	15600-39100 + GP 6000	1	0	1
98.	Asstt.Prof. of Electrical Engineering	15600-39100 + GP 6000	1	1	0
99.	Asstt.Prof. of Civil Engineering	15600-39100 + GP 6000	1	0	1
100.	Asstt.Prof. of Mechanical Engineering	15600-39100 + GP 6000	1	1	0
101.	Students Welfares Officer (College Level)	15600-39100 + GP 6600	1	0	1
102.	Deputy Registrar	15600-39100 + GP 6600	2	1	1
103.	Medical Officer	9300-34800+GP 4400	2	1	1
104.	Assistant Registrar/ Assistant Comptroller	9300-34800+GP 4600	27	11	16
105.	Deputy Uni. Engineer	15600-39100 + GP 6900	1	0	1
106.	Sports Officer	15600-39100 + GP 6600	1	0	1
107.	Security Officer	9300-34800+GP 4600	1	0	1



108.	Asstt. Engineer Civil	9300-34800+GP 5400	1	1	0
109.	Physical Training Instructor	15600-39100 + GP 6000	10	4	6
110.	College Librarian	15600-39100 + GP 6000	9	3	6
111.	University Engineer	15600-39100 + GP 7600	1	1	0
112.	Comptroller	15600-39100 + GP 6600	1	1	0
113.	Pay and Accounts Officer	9300-34800+GP 4600	3	3	0
114.	Student Welfare Officer	15600-39100 + GP 6600	1	0	1
115.	P.A. to Vice-Chancellor	9300-34800+GP 4600	1	1	0
			919	499	420

Group B

1	Office Superintendent	S-15 : 41800-132300	36	19	17
2	Superintendent(Computer)	S-15 : 41800-132300	2	1	1
3	Superintendent(Deputation)	S-15 : 41800-132300	3	2	1
4	Asstt. Superintendent.	S-14 : 38600-122800	60	30	30
5	Stenographer (H.G.)	S-15 : 41800-132300	11	4	7
6	Stenographer (L.G)	S-14 : 38600-122800	19	3	16
7	Junior/ Sec. Engineer (Civil)	S-13 : 35400-112400 S-15 : 41800-132300	11	7	4
8	Junior/ Sec. Engineer (Electric)	S-13 : 35400-112400 S-15 : 41800-132300	7	1	6
9	Junior/ Sec. Engineer (Meca.)	S-13 : 35400-112400 S-15 : 41800-132300	0	1	-1
10	Sr. Tech. Asstt.	S-15 : 41800-132300 S-14 : 38600-122800	2	0	2
11	Chief Artist	S-14 : 38600-122800	1	0	1
12	Movie Cameraman	S-14 : 38600-122800	1	0	1
13	Sr.Res.Asstt.	S-15 : 41800-132300 S-16 : 44900-142400	143	65	78
14	Veterinary Officer	S-15 : 41800-132300 S-14 : 38600-122800	3	0	3
Total Group B			299	133	166

Group C

1	Sr.Clerk	S-8 : 25500-81100	159	102	57
2	Steno Typist	S-8 : 25500-81100	11	4	7
3	Clerk-Cum-Typist	S-6 : 19900-63200	235	173	62
4	Technical Asstt.(Lib)	S-10 : 29200-92300	1	1	0
5	Chief-Cataloguer	S-10 : 29200-92300	10	3	7



6	Issue Asstt.	S-7 : 21700-69100	9	4	5
7	Draughtsman	S-10 : 29200-92300 S-13 : 35400-112400	7	4	3
8	Tracer	S-7 : 21700-69100 S-8 : 25500-81100	7	2	5
9	Sr. Mechanic	S-8 : 25500-81100	4	1	3
10	Jr. Mechanic	S-6 : 19900-63200	3	2	1
11	Technical Asstt.	S-10 : 29200-92300	4	3	1
12	Mechanical Supervisor	S-10 : 29200-92300	1	1	0
13	Foremen Supervisor	S-10 : 29200-92300	2	1	1
14	Farm Mechanic	S-8 : 25500-81100	4	0	4
15	Fitter-Cum-Mechanic Turner	S-8 : 25500-81100	1	0	1
16	Fitter	S-8 : 25500-81100	6	4	2
17	Turner	S-8 : 25500-81100	3	3	0
18	Machinist	S-8 : 25500-81100	1	0	1
19	Foundry man	S-8 : 25500-81100	3	1	2
20	Audio Visual Operator	S-8 : 25500-81100	4	1	3
21	Carpenter	S-8 : 25500-81100 S-7 : 21700-69100	12	6	6
22	Welder	S-8 : 25500-81100	3	2	1
23	Wireman	S-8 : 25500-81100 S-6 : 19900-63200	24	10	14
24	Compounder (Medical)	S-10 : 29200-92300	2	1	1
25	Compounder (Vet.)	S-8 : 25500-81100	4	3	1
26	Nurse	S-13 : 35400-112400	1	1	0
27	Photographer	S-10 : 29200-92300	5	0	5
28	Artist-Cum- Photographer	S-10 : 29200-92300	4	4	0
29	Dark Room Asstt.	S-8 : 25500-81100	2	0	2
30	Asstt. Security Officer	S-10 : 29200-92300	3	1	2
31	Plumber	S-6 : 19900-63200	6	3	3
32	Maistry	S-6 : 19900-63200	12	5	7
33	Surveyer	S-8 : 25500-81100	1	1	0
34	Pump Operator	S-6 : 19900-63200	3	2	1
35	Telephone Operator	S-7 : 21700-69100	2	1	1
36	Compositor	S-7 : 21700-69100	2	2	0
37	Printer	S-7 : 21700-69100	1	0	1



38	Sr.Artist Technical Asstt.	S-10 : 29200-92300	1	1	0
39	Blacksmith	S-8 : 25500-81100 S-7 : 21700-69100	6	2	4
40	Electrician	S-8 : 25500-81100	6	1	5
41	Jeep Driver	S-6 : 19900-63200	72	35	37
42	Tractor Driver	S-7 : 21700-69100	17	6	11
43	Mechanic-Cum Electrician	S-8 : 25500-81100	1	1	0
44	Computer Operator	S-13 : 35400-112400	3	0	3
45	Agril. Asstt.	S-8 : 25500-81100 S-10 : 29200-92300	611	458	153
46	Live-Stock Supervisor	S-8 : 25500-81100	5	5	0
47	Jr.Vet. Officer	S-15 : 41800-132300 S-10 : 29200-92300	2	1	1
48	Jr.Res.Asstt.	S-13 : 35400-112400	193	91	102
Group C			1479	953	526
Group D					
1	Laboratory Attendent	S-6 : 19900-63200 S-1 : 15000-47600	47	26	21
2	Library Attendent	S-6 : 19900-63200 S-1 : 15000-47600	8	4	4
3	Counter	S-3 : 16600-52400	54	25	29
4	Massion	S-3 : 16600-52400	4	1	3
5	Mali	S-5 : 18000-56900 S-1 : 15000-47600	56	27	29
6	Security Guard	S-1 : 15000-47600	17	7	10
7	Lab. Boy	S-1 : 15000-47600	4	0	4
8	Peon	S-1 : 15000-47600	183	117	66
9	Watchman	S-1 : 15000-47600	159	81	78
10	Labor	S-1 : 15000-47600	1192	698	494
11	Sweeper	S-1 : 15000-47600	24	20	4
Group D			1748	1006	742
Total (A+B+C+D)			3526	2092	1434



8. Campus Development Activities

Rahuri Region completed work in 2020-21

Sr. No.	Name of Work	Estimated Cost (Rs.)	Fund Head	Remark
1	Providing BB masonry water through east portion and existing goat shed at goat project at CC, Rahuri	145922.00	AICRP on Goat Improvement	Completed
2	Providing and laying PVC pipe line for irrigation facilities Agroforestry land at CC, Rahuri	266401.00	Bamboo Project	Completed
3	Providing 7.5 HP submersible pumpset in bore well of CAAST CSAWM project at MPKV, Rahuri	212198.00	CAASt-CSAWM	Completed
4	Repair and servicing for air conditioner of CAASt CSAWM project at MPKV, Rahuri	118572.00	CAASt-CSAWM	Completed
5	Purchase of supply cable and accessories for providing electric supply for newly developing sophisticated facility of climate smart agriculture under CAASt CSAWM at MPKV, Rahuri	1311541.00	CAASt-CSAWM	Completed
6	Providing electric supply to farm motors & office of CAASt CSAWM project at MPKV, Rahuri	265063.00	CAASt-CSAWM	Completed
7	Excavation of farm pond, plastic lining, silting tank, fencing on CAASt-CSAWM instructional farm at D block at CC, Rahuri	1188027.00	CAASt-CSAWM	Completed
8	Renovation of electrification to lecture hall no. C & D at Dr. ASCAE & T at CC, Rahuri	238499.00	ICAR-SAU	Completed
9	Renovation of electrification to lecture hall No. A & B at Dr. ASCAE & T at CC, Rahuri	235811.00	ICAR-SAU	Completed
10	Providing acoustic wall paneling alluminum sliding window & internal OBD colouring to lecture hall A & B at Dr. ASCAET at CC, Rahuri	396944.00	ICAR-SAU	Completed
11	Providing acoustic wall paneling alluminum sliding window & internal OBD colouring to lecture hall C & D at Dr. ASCAET at CC, Rahuri	396944.00	ICAR-SAU	Completed
12	Supply installation testing commissioning operation and maintenance of solarsteam cooking system (4Nos) for boys/girls hostel mess (capacity 300 students per day) in the jurisdiction of MPKV, Rahuri	10646820.00	ICAR-SAU	Completed
13	Renovation of Acoustic boards, water proofing coloring doors windows and other allied items for lecture hall no. 125 in agril chemistry and soil science in Agril Faculty building at CC, Rahuri	658251.00	ICAR-SAU	Completed
14	Providing cupboard shutter for E & F Boys hostel Dr. ASCAET building at CC, Rahuri	800966.00	ICAR-SAU	Completed



15	Renovation to Resident quarter no. D-10 & D23 by colouring toilet repairs windows minor water proofing work at CC, Rahuri	219347.00	Maint & Repairs	Completed
16	Repair and renovation to B-2 E-16 qtr by colouring toilet renovation minor water proofing and plumbing work at CC, Rahuri	266789.00	Maint & Repairs	Completed
17	Providing and fixing colour coated zincalume protiled sheets by replacing old AC sheets structural Steel work to store shed and office of dairy department at CC, Rahuri	290883.00	Revolving fund	Completed
18	Construction of attached ladies toilet block to existing office building of STRU you project at CC, Rahuri	291452.00	Revolving fund	Completed
19	Providing BB coba waterproofing to STRU office building at CC, Rahuri	232874.00	Revolving fund	Completed
20	Providing BB coba waterproofing to DUS laboratory near STRU at CC, Rahuri	239953.00	Revolving fund	Completed
21	Providing electric supply to submersible pumpset installed in farmpond and well of dryland fruit improvement scheme of Horticulture department at CC, Rahuri	680917.00	Revolving fund	Completed
22	Providing BB masonry water through West portion and supports to existing concrete water through in existing goat shed at goat project at CC, Rahuri	219791.00	Revolving fund AICRP Grants	Completed
23	Providing welded mesh Jali and Ms Gate for existing goat shed number 9 at boat project at CC, Rahuri	140719.00	Revolving fund AICRP Grants	Completed
24	Providing welded mesh Jali and Ms Gate for existing goat shed number 12 at boat project at CC, Rahuri	140719.00	Revolving fund AICRP Grants	Completed
25	Providing HT cable for electric supply to cold storage of Gene bank Project at CC, Rahuri	259004.00	State Plan	Completed
26	Providing HT line poles and accessories for electric supply to Gene bank project from express fiddler at CC, Rahuri	266642.00	State Plan	Completed
27	Providing and erecting structural shed for solid waste management are abehind Varsha Hostel at CC, Rahuri	289204.00	University Receipt	Completed
28	Providing and casting cement concrete floor brick work, plaster and chain link fencing and other allied works to shed at waste manegement area near Ganesh temple at CC, Rahuri	293789.00	University Receipt	Completed
29	Providing intercom telephone instrument and other allied work for CAAST project at CC, Rahuri	74168.00	University Receipt	Completed



Rahuri Region progress work in 2020-2021

Sr. No.	Name of Work	Estimated Cost (Rs.)	Fund Head	Remark
1	Construction of various building for organic farming project at CC, Rahuri	11089400.00	---	In Progress
2	Construction of farm implement shed with office, store & Godown for CAAST Project at MPKV, Rahuri	1578027.00	CAAST-CSAWM	In Progress
3	Providing external coloring to class room, Toilets & Staircase of Dr. ASCAET at CC, Rahuri	856817.00	ICAR-SAU	In Progress
4	Providing external coloring to lab & toilet block of Dr. ASCAET at CC, Rahuri	863042.00	ICAR-SAU	In Progress
5	Construction of Girls hostel for Dr. Annasaheb Shinde College of Agri. Engineering and Technology at MPKV, Rahuri	19798998.00	ICAR-SAU	In Progress
6	Providing internal and external colouring to Administrative Building at CC, Rahuri	1753290.00	Maint & Repairs	In Progress
7	Construction of Pump house in D Block central nursery at CC, Rahuri	2062500.00	Revolving fund - Horticulture	In Progress
8	Providing 7.5 HP open well submersible pumpset in farm pond of seed technology research unit at MPKV, Rahuri	150738.00	Revolving fund - STRU Project	In Progress
9	Supplying fixing and erecting of V.T. pump sets substation transformers metering unit and water meter for lift irrigation scheme for central campus of MPKV, Rahuri	23750506.00	RKVY	In Progress
10	Construction of intake well, intake pipe line, jackwell with pump house and foot bridge for lift Irrigation scheme for CC, Rahuri	15206009.00	RKVY	In Progress
11	Providing and laying 800 dia HDPE pipeline, 800 & 450 mm dia PSC Pipe line, 315 mm dia PVC pipe, Balancing Chamber for Lift Irrigation scheme for CC, Rahuri	102797821.00	RKVY	In Progress
12	Construction of Girls hostel for UG students at MPKV, Rahuri	57890175.00	State Plan	In Progress
13	Construction of Girls hostel for PG students at MPKV, Rahuri	54045600.00	State Plan	In Progress
14	Construction of various building for organic farming project at CC, Rahuri	11089400.00	State Plan	In Progress
15	Construction of administrative building boys & girls hostel at Punyshlok Ahilyadevi Holkar Agriculture College at Halgaon, Tal-Jamkhed, Dist-Ahmednagar	242789000.00	State Plan	In Progress



16	External electrification, providing electric supply, street lights and other amenities at Punyashlok Ahilyadevi Holkar College of Agriculture, Halgaon, Tal-Jamkhed, Dist- Ahmednagar	9876041.00	State Plan	In Progress
17	Providing internal electrification to the college building, Hostels, Library, Amenity building, Gymkhana, Guest house and Residential quarters at Punyashlok Ahilyadevi Holkar College of Agriculture, Halgaon, Tal-Jamkhed, Dist- Ahmednagar	13461093.00	State Plan	In Progress
18	Electrification to remote sensing and GIS laboratory of I.W.M department at CC, Rahuri	129388.00	University Receipt	In Progress
19	Repairs & renovation to godown and office by replacing old AC sheets colouring structural steel work and other minor repairs to AICRP under potential crops under botany department at CC, Rahuri	218225.00	University Receipt 50 % Revolving fund 50%	In Progress

Pune Region completed work in 2020-2021

Sr. No.	Name of Work	Estimated Cost (Rs.)	Fund Head	Remark
1	Providing fencing for the instructional farm of CAAST-CSAWM Project at College of Agriculture, Pune	770700.00	CAASt-CSAWM	Completed
2	Renovation and repair to the electrification of PGI laboratory and office at Soil Science and Agriculture Chemistry section 1 st floor at College of Agriculture, Pune	171446.00	ICAR-SAU	Completed
3	Internal colouring to first floor rooms to the D block boys hostel at Agriculture College, Pune	255013.00	ICAR-SAU	Completed
4	Renovation of the Rector office in the boys hostel at Agriculture College, Pune	261979.00	ICAR-SAU	Completed
5	Repairs and renovation to the old shed in the dairy farm for poultry project at College of Agriculture, Pune	256888.00	ICAR-SAU	Completed
6	Repairs to the roofing of seed & fertilizer store at NARP, Ganeshkhind, Pune	254203.00	Revolving fund	Completed

Pune Region progress work in 2020-2021

Sr. No.	Name of Work	Estimated Cost (Rs.)	Fund Head	Remark
1	Construction of Girls hostel of College of Agriculture, Pune	20593708.00	ICAR-SAU	Work is in progress
2	Renovation and repairs to the electrification of office building of Regional Extension Centre near Sancheti Hospital at College of Agriculture, Pune	248459.00	Maint & Repairs	In Progress



3	Renovation of electrical installation of pump house and street light at students hostel B Block and open Gymkhana at College of Agriculture, Pune	243438.00	Maint & Repairs	In Progress
4	Construction of Auditorium at College of Agriculture, Pune	63154800.00	State Plan	Stay is given
5	Construction of Girls hostel for UG students for College of Agriculture, Pune	62649710.00	State Plan	Stay is given

Dhule Region completed work in 2020-2021

Sr. No.	Name of Work	Estimated Cost (Rs.)	Fund Head	Remark
1	Repair to inverters and replace of batteries for inverters for extension section and Regional Extension Centre at College of Agriculture, Dhule	191528.00	ICAR-SAU	Completed
2	Renovation of cycle stand near Associate Dean office at College of Agriculture, Dhule	281971.00	Maint & Repairs	Completed
3	Repairs to invertors and replace of batteries for inverters for agronomy section at Agriculture College, Dhule	253704.00	Maint & Repairs	Completed
4	Repairs to invertors and replace of batteries for inverters for office boys hostel and girls hostel at Agriculture Technology School, Jalgaon	211920.00	Maint & Repairs	Completed
5	Providing electrical cable for openwell pump set at survey number 67 at ATS, Jalgaon	79142.00	Revoalving fund ATS Jalgaon	Completed
6	Drilling of bore well for temporary water supply to college and girls hostel building at Agriculture College, Muktainagar, Dist. Jalgaon	292125.00	State Plan	Completed
7	Repairs to street lights and electrical repairs in boys and girls hostel at College of Agriculture, Nandurabar	259602.00	Tribal Development grants	Completed
8	Providing waterproofing and plaster for KVK building at College of Agriculture, Dhule	259002.00	University Receipt	Completed

Dhule Region progress work in 2020-2021

Sr. No.	Name of work	Estimated Cost (Rs.)	Fund Head	Remark
1	Renovation of drainage line overhead and ground waters tank at A.C., Dhule (2nd Call)	5616996.00	Maint & Repairs Special grants	Work is in progress
2	Installation of cctv security system and surveillance for office approach roads in premises and main entrance gate at Mamurabad farm, Agriculture Research Station, Jalgaon	160889.00	Product testing	In Progress
3	Construction of Auditorium at College of Agriculture, Dhule	52067200.00	State Plan	Stay is given
4	Construction of Girls hostel for UG students for College of Agriculture, Dhule	58441510.00	State Plan	Stay is given
5	Providing electrical repairs work by replacing main electric supply cable for girls hostle at College of Agriculture, Nandurbar	254393.00	State Plan-TSP	In Progress

Kolhapur Region progress work in 2020-2021

Sr. No.	Name of Work	Estimated Cost (Rs.)	Fund Head	Remark
1	Repairs and renovation to the room of maize project at Kasaba Bawada, Kolhapur	291989.00	Product testing	Completed
2	Shifting of 62.5 KVA diesel generator set from Agricultural Research Station, Lakhmapur to College of Agriculture, Karad construction of platform for genset and providing electric cable for generator supply to the administrative building and Library building at College of Agriculture, Karad	210593.00	State plan contingency revenue receipt fund	Completed
3	Proposed the extension for jaggery pilot plant at RSJRS, Kolhapur	294186.00	University Receipt	Completed



Kolhapur Region progress work in 2020-2021

Sr. No.	Name of Work	Estimated Cost (Rs.)	Fund Head	Remark
1	Construction of half covered threshing yard at NARP, Shenda Park, Kolhapur	2064473.00	ICAR-SAU	Work in progress
2	Construction of rat proof godown at NARP, Shenda Park, Kolhapur	2657744.00	ICAR-SAU	Work in progress
3	Closing varandha with BBM and grill to maize office at Kasaba Bawada, Kolhapur	294999.00	Product testing	In Progress
4	Construction of Auditorium at College of Agriculture, Kolhapur	56137600.00	State Plan	Stay is given
5	Construction of girls hostel for UG students for College of Agriculture, Kolhapur	62649710.00	State Plan	Stay is given
6	Construction of building and infrastrucure facilities for Krantisinh Nana Patil Government College of Food Technology at Peth, Tal-Walwa, Dist. Sangli.	381517281.00	State Plan	Stay is given
7	Proposed closing of varandha gymnasium building at Agriculture College, Kolhapur	287406.00	Students council fund	In Progress
8	Construction of attached toilet block to existing Principal cabin at Agril Technical School, Solapur	294351.00	Unversity Receipt - Hyderabad highway	In Progress

9. The Financial Status of Universities

During the Financial Year 2020-2021 the grants of Rs. 4637045 thousand have been received from Government of Maharashtra under Non-Plan Sector, out of these the expenditure of Rs. 3246908 thousand has been incurred.

The grants of Rs. 26,50,00 thousand have been received under Plan Scheme against which the expenditure of Rs. 29,80,00 thousand has been incurred.

ICAR, New Delhi, Govt. of India and State Government (other Dept.) grants of Rs. 42,68,00 thousand have been received & expenditure out of these grants is Rs. 42,68,00 thousand.

During the Financial Year 2020-2021 the Abstract of Received grants and expenditure incurred by the University are given below.

Sr. No	Head of Account	Sanctioned / Released Grants (Rs. Thousand)	Expenditure (Rs. Thousand)
1.	State Govt. 01- Crop. Husb. (Non-Plan Scheme) (24150025)		
	1) (04) Pension Payment	198,50,00	156,42,50
	2) (31) Asstt. Grants (Non- Salary)	11,58,75	2,3175
	3) (36) Asstt. Grants (Salary)	249,05,00	165,94,83
	Total Rs.	459,13,75	324,69,08
2.	State Govt. 03 – Ani. Husb. (Non-Plan Scheme) (24150197)		
	1) (36) Asstt. Grants (Non- Salary)	12,71	2,54
	2) (31) Asstt. Grants (Salary)	4,43,99	3,51,23
	Total Rs.	4,56,70	3,53,77
	(Non-Plan) Total Rs.	463,70,45	328,22,85
3.	State Govt. 01- Crop.Husb. (Plan Scheme) (24150072) (2415 1086)		
	1) (31) Asstt. Grants (Non – Salary)	21,50,00	21,50,00
	2) (35) Asstt. Grants for Capital Creations.	0	0
	3) (36) Asstt. Grants (Salary)	5,00,00	8,30,00
	Total Rs.	26,50,00	29,80,00
4.	College of Agriculture, Nandurbar (24158291)	2,37,50	2,37,50
5.	E.B.C. Scholarship (24150938)	0	0
6.	D.C.P.S. State Govt. Share (24151021)	6,24,83	6,24,83
7.	ICAR (75:25) Schemes 75 % Share / Govt. of India etc. Grant -in-aid Schemes	42,68,00	42,68,00
8.	University Revenue Receipts Financial: - The Revenue generated by the University during F.Y. 2020-2021 is Rs. 21.73 Crore . From the University Revenue Receipt Rs. 21.18 Crore allotted to various Schemes for Contingency expenditure for various office & farm activities and for capital for various revolving funds.		





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