

Annual Report

2018-2019



Mahatma Phule Krishi Vidyapeeth

Rahuri - 413722, Dist. Ahmednagar (Maharashtra)

www.mpkv.ac.in



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



FOREWORD

The Annual Report of Mahatma Phule Krishi Vidyapeeth, Rahuri for 2018-2019 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. Mahatma Phule Krishi Vidyapeeth was established on March 29, 1968. The university is celebrating its golden jubilee year in this financial year. With 50 years of long journey, the university has made significant contributions in the area of Agricultural Education, Research and Extension Education to serve the farmers of the Western Maharashtra, in particular, and Maharashtra, in general. It is the result of dedicated efforts of the faculty, scientists, officials, employees, workers and students of this University.

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.

In respect of education, during the year 4848 students have successfully completed the Undergraduate, Post-Graduate and Ph. D. degree programmes. Nearly 2104 students of university have received different scholarships during the year. Besides their academic excellence, students achieved distinction in the extra and co-curricular activities. 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.

Research work carried out through various departments, research projects and schemes in the university contributed to eight new varieties of crops, one farm implement and 47 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, lakhs of 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. University is implementing innovative extension programmes like Farmers FIRST of RKVY and ICAR, Kisan Aadhar Sammelan, Technology week etc. in MPKV jurisdiction for effective transfer of technology. Under the concept of clean and green university, a massive tree plantation programme Vanmohotsav -2018 and Krishidin was organized on 2nd July, 2018. More than one lakh trees saplings were planted in the jurisdiction of the university in this financial year.

The Annual Report and all the efforts of the entire Mahatma Phule Krishi Vidyapeeth, Rahuri are dedicated to the farmers and the rural community.

(K.P. Viswanatha)





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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

1. Educational Achievements

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

1. The university is imparting graduate level education in agriculture and allied subjects through nine constituent colleges viz., College

of Agriculture, Pune, Dhule, Kolhapur, Karad, Nandurbar, Muktainagar and Halgaon Dr. Annasaheb Shinde College of Agricultural Engineering & Technology, Rahuri and College of Horticulture, Pune. The intake capacity of students in constituent undergraduate colleges is 844.

2. Post Graduate level education is imparted by Post Graduate Institute, Rahuri in central campus along with College of Agriculture Pune, Dhule and Kolhapur and Dr. Annasaheb Shinde College of Agricultural Engineering and Technology, Rahuri. The total strength of PG students under various disciplines in University is 372, whereas 84 Ph.D. students are admitted every year.
3. Apart from constituent colleges, 63 affiliated colleges are functioning on permanently non-grant basis for imparting the agricultural and allied education in university jurisdiction. It includes 27 Agriculture, 05 Horticulture, 07 Food Technology, 09 Agril. Business Management, 06 Agril. Biotechnology, 08 Agricultural Engineering and 01 Animal Husbandry college.
4. The intake capacity of the students at affiliated colleges for B.Sc. (Hons) Agriculture course is 3568, B. Sc (Hons) Horticulture 272, B. Tech. (Agril. Engg.) 504, B.Tech. (Bio.Tech.) 360, B. Sc. (Hons) Agril. Business Management 440, B. Tech. (Food Tech.) 400 and B. Sc. (Hons) Animal Husbandry 30. Total 5574 students were admitted in first year during the year under report.



5. During the year 2018-19, different scholarships/ fellowships were received by the students as given below

Sr. No.	Name of Scholarships/ Fellowships	No. of Students
1	Inspire Fellowship (Ph.D.)	24
2	Government of India Post Metric Scholarship	395
3	GOI- Scholarship, SWD/TD	263
4	Rajiv Gandhi Fellowship (Ph.D.)	26
5	Barti Fellowship (Ph.D.)	08
6	ICAR Junior Research Fellowship (M. Sc.)	01
7	JRF Fellowship Fellowship (M. Sc.)	06
8	SRF Fellowship (Ph.D.)	02
9	National Talent Scholarship (M.Sc. & Ph. D.)	115
10	Govt. of India merit means cum merit Scholarship (M.Sc.)	24
11	ICAR (Merit Cum Means) Renewal	06
12	University Merit Cum Means	160
13	Handicap Scholarship	02
14	Central Sector Scholarship	289
15	EBC Scholarship (M.Sc.)	01
16	Scheduled Caste Freeship	17
17	Govt. of India SC Scholarship	128
18	Scheduled Tribale Freeship	17
19	Govt. of India ST Scholarship	38
20	Govt. of India DT/NT Scholarship	00
21	Govt. of India SBC Scholarship	08
22	SBC Freeship	01
23	Govt. of India OBC Scholarship	191
24	OBC Freeship	32
25	Govt. of India VJNT Scholarship	110
26	VJNT Freeship	12
27	GOI Freeship for all above category	46
28	India-Afghanistan Felloship	01
29	Pupils of Ex-Serviceman Jawan's	02
30	National Talent Scholarship (Central Sector Scholarship, Pune)	42
31	ICAR scholarship (National Talent Scholarship) for other state	12
32	Finolex Silver Jubilee Trophy Scholarship	06
33	Andreas Stihl	03
34	Pandit Din Dayal Swadhar Yojana ST Category	05
35	Rajarshi Chhatrapati Shahu Maharaj Scholarship	55
36	Dr.Panjabrao Deshmukh Nirvah Bhataa	56

6. National Eligibility Test (NET) Examination was qualified by 7 students of the Post Graduate Institute, MPKV, Rahuri during year 2018-19.
7. For the capacity building of faculty 374 students and staff proceeded for Winter School / Summer School / Refresher courses State / National/ International Conference at various places of the country during the year 2018-19.



8. Dr. Avdhot Ashok Walunj was awarded Ph.D. in Mechanical Engineering by National Institute of Technology, Karnataka.
9. Dr. R. D. Bansod and Dr. A. A. Atre cleared National Eligibility Test (NET)-2018 in Land and Water Management Engineering.
10. Dr. R.D. Bansod won Gold Medal in 400 m and Bronze Medal in 100 and 200 m in Athletic competition and selected successively for fifth time in National Masters Athletics competition.
11. Dr. D. D. Patange, Assisitant Professor of AHDS, College of Agriculture, Kolhapur conducted live demonstration programme on value added dairy products at village Buhewadi, Latiwade, Kushire, Vadenge and Yeluj of Kolhapur District. Dr. Patange highlighted the importance of milk and milk products in the diet and how to prepare the milk products at household level.
12. Text Book entitled Milk and Milk Products, written by Dr. D.D. Patange, Dr. D.K. Kamble and Dr. R.C. Ranveer. The book was published at the auspicious hand of Shri. Arun Narke (Ex. President Indian Dairy Association, New Delhi) and Dr. G.G. Khot (Associate Dean, A.C. Kolhapur).
13. Rajendra Singh, Bramhputra Chair of Water Resources and Professor (HAG), Deptt. of Agricultural Engineering, IIT Kharagpur and Dr. M. B. Nagdeve, Dean, Agril. Engg., Dr. PDKV, Akola visited the department and guided the B. Tech., M. Tech. and Ph.D. students of Dr. ASCAE&T., MPKV, Rahuri.
14. Dr. D. H. Phalke received Vasantdada Patil memorial Award, K. S. Kale memorial Award and DSTA Award for best research paper presentation on sugarcane at Gandhinagar, Gujrat. He also received Life Time Achievement Award-2018 by Ideal Foundation at Kolhapur.
15. Dr. A.S. Bagade, Asstt. Prof. of Entomology and Dr. J. B. Patil, Asstt. Prof. of Agronomy received “Bhima Puraskar, 2019” for their contribution in Extension.
16. Mahatma Phule Jayanti was celebrated on 11th April, 2018 at MPKV, Rahuri under the Chairmanship of Director of Extentsion Education Dr. K. D. Kokate. Adv. Anant Khalekar from Akola was the Chief Guest of the function.
17. Bharatratna Dr. Babasaheb Ambedkar Jayanti was celebrated on 14th April, 2018 at MPKV, Rahuri under the Chairmanship of Dr. K. D. Kokate, Director of Extension Education, MPKV, Rahuri, Adv. Raosaheb Kasabe from Nashik was the chief guest of the function.
18. The meeting of NSS Programme Officer's was organized at Central Campus, MPKV, Rahuri on 08th May, 2018 under the Chairmanship of Prof S. V. Patil, Students' Welfare Officer, MPKV, Rahuri. The Programme Officers of various colleges were present for the meeting. The schedule of the NSS Activities for the academic year 2018-19 was decided and recommended to the Advisory Committee, MPKV, Rahuri as well as other matters related to NSS and Programme Officers activities were discussed.
19. The 53rd meeting of University Sports Committee was organized at Central Campus, MPKV, Rahuri on 09th May, 2018 under the Chairmanship of Prof S. V. Patil, Students' Welfare Officer, MPKV, Rahuri. The PTIs and Sports In-charge of constituent and private colleges were present for the meeting. The schedule of the Inter Collegiate tournaments programme for the academic year 2018-19 was decided and recommended to the



- Board of Sports, MPKV, Rahuri as well as other matters related to sports and students welfare activities were discussed.
20. Dr. R. D. Bansod received Dr. APJ Abdul Kalam Life Time Achievement National Award on 02nd June, 2018.
 21. The State level training Programme on disaster management Avhan 2018-19 was organized at Dr. Babasaheb Ambedkar Marathwada Vidyapeeth, Aurangabad from 25th May to 03rd June, 2018. The team of 9 students participated in this training Programme.
 22. World Environment Day was celebrated on 05th June, 2018 under the Chairmanship of Hon. Vice Chancellor, Dr. K. P. Viswanatha, Shri. Adarsha Reddy, Deputy Conservator of Forest, Ahmednagar was the Chief Guest for the function.
 23. The 45th meeting of Board of Sports, MPKV, Rahuri was organized at Central Campus, Rahuri on 19th June, 2018 under the Chairmanship of Dr. A. L. Pharande, Dean, Faculty of Agriculture and Chairman, Board of Sports, MPKV, Rahuri. All the Associate Deans/Principals, VPSC, SWOs and PTI's/Sports In-charge were present for the meeting. The programme of the Inter Collegiate tournaments for the academic year 2018-19 was finalized in this meeting. The budget of the Inter University tournaments and Team Managers of University teams were also finalized in this meeting.
 24. The International Day of Yoga was observed on 21st June, 2018 by this University. Lecture of Prof. Shridhar Dhas, New Art, Science & Commerce College, Ahmednagar along with practical of yoga at Central Campus, Rahuri, The Yoga Camp was organized at 7.00 am to 8.00 am at University play ground about 2500 staff, students & NSS Volunteers participated in this camp. Similarly, International Yoga Day was celebrated on 21st June, 2018 at various Constituent and Affiliated Agricultural and Allied Colleges under the jurisdiction of MPKV, Rahuri.
 25. Training programme on “Demonstration of tractor and it's attachments” was jointly organized by AICRP on Farm Implement and Machinery, Dr. ASCAET, MPKV, Rahuri and Kubota Agricultural Machinery India Pvt. Ltd. on 22 –23th June, 2018 at Central Campus, MPKV, Rahuri.
 26. “Krishi Din” & “Vanmahostav” was celebrated during 01st July, 2018 to 31st July, 2018 at various Constituent and Affiliated Agricultural and Allied Colleges under the jurisdiction of MPKV, Rahuri.
 27. Dr. Claudio Stockle, Professor of Land, Air and Environmental Engineering Washington State University, USA Dr. Lav Khot, WSU, USA Dr. Manzul Hazarika Director, Geo-informatics Centre, AIT Bangkok, Thailand, Dr. Giriraj, IWMI, Colombo, Srilanka, Shri. Vijay Kolekar, POCRA Mumbai and other 20 experts visited the Technology Display and Information Centre (TDIC) of PFDC, Rahuri (MS) on 16th July, 2018.



28. Students of Mahatma Phule Krishi Vidpaeeth, Rahuri participated in various Inter Collegiate Tournaments 2018-19 given as follows.

- The First part of the Inter Collegiate tournaments (Chess & Mallkhamb) was organized at Dadasaheb Mokashi College of Agriculture Rajmachi, Karad, Dist Satara on 10th & 11th July, 2018. The result of the tournament is as below.

Sr. No.	Event	College	Winner/Runner
1	Chess (Boys)	College of Agriculture, Baramati	Winner
		College of Agriculture, KDSP Nashik	Runner
		College of Agriculture, Pune	Third
2	Chess (Girl)	College of Agriculture, Pune	Winner
		College of ABM, Narayangaon	Runner
		College of Agriculture, Kolhapur	Third
3	Mallkhamb	College of Agriculture, Baramati	Winner
		College of Agriculture, Kolhapur	Runner
		College of Agriculture, Akulj	Third

- The second part of the Inter Collegiate tournaments (Table Tennis & Badminton) was organized at K. V. Patel College of Agriculture Shahada on 20th & 21st July, 2018, The result of the tournament is as below.

Sr. No.	Event	College	Winner/Runner
1	Table Tennis (Men)	College of Agriculture, Dhule	Winner
		College of Agriculture, Pune	Runner
		College of Biotech, Loni	Third
2	Table Tennis (Women)	College of Agriculture, Pune	Winner
		College of Agriculture, Kolhapur	Runner
		College of Agriculture, Dhule	Third
3	Badminton (Men)	KKW College of Agriculture, Nashik	Winner
		College of Agriculture, Pune	Runner
		College of Agriculture, Kolhapur	Third
4	Badminton (Women)	College of Agriculture, Pune	Winner
		College of Agriculture, Maldad	Runner
		College of Agriculture, Dhule	Third

- The Third part of the Inter Collegiate tournaments (Foot ball Men) has been organized at College of Agricultural Biotechnology, Loni on 01st August, 2018. The result of the tournaments is as below.

Sr. No.	Event	College	Winner/Runner
1	Football (Men)	College of Agriculture, Talsande	Winner
		KKW College of Agriculture, Nashik	Runner
		Dr. ASCAE & T, MPKV, Rahuri	Third



- The Fourth part of the Inter Collegiate tournaments (Basketball Men & Women) was organized at Dr. D.Y. Patil College of Agriculture Talsande on 17th & 18th August, 2018. The result of the tournament is as below.

Sr. No.	Event	College	Winner/Runner
1	Basketball (Men)	Dr.D.Y.P. College of Agriculture, Talsande	Winner
		MIT College Food Tech., Pune	Runner
		AS CAE & T, MPKV Rahuri	Third
2	Basketball (Women)	College of Agriculture, Pune	Winner
		College of Agriculture, Akulj	Runner
		VPCABT, Baramati	Third

- The Fifth part of the Inter Collegiate tournaments (Kabaddi M&W) has been organized at the College of Agriculture, Paniv on 27th & 28th August, 2018. The result of the tournaments is as below.

Sr. No.	Event	College	Winner/Runner
1	Kabaddi (Men)	College of Agriculture, Paniv	Winner
		College of Agriculture, Baramati	Runner
		College of Biotech, Madadgaon	Third
2	Kabaddi (Women)	College of Agriculture, Baramati	Winner
		College of Agriculture, Phaltan	Runner
		College of Agriculture, Pune	Third

- The Sixth Part of the Inter Collegiate tournaments (Volley Ball Men & Women) was organized at MVP's College of Agricultural, Nashik on 11th to 12th September, 2018. The result of the tournament is as below.

Sr. No.	Event	College	Winner/Runner
1	Volleyball (Men)	College of Agriculture, Wadala	Winner
		KKW College of Agriculture, Nashik	Runner
		College of Agriculture, Kolhapur	Third
2	Volleyball (Women)	College of Agriculture, Baramati	Winner
		College of Agriculture, Rajmachi	Runner
		College of Agriculture, Kolhapur	Third

29. College of Agriculture, Nandurbar organized "World Indigenous Peoples Day" on 09th August, 2018. On this occasion the Chief Guest Shri. Chandrakant Gavali, Additional Superintendent of Police, Nandurbar District & Dr. (Mrs.) Pushpa Gavit, Head Department of Marathi, Vidyavardhiani Mahavidyalaya, Dhule were present.
30. The Blood donation camp was organized with the help of Civil Surgeon, Ahmenagar on 15th August, 2018 at Central Campus, Rahuri. Hon. Vice Chancellor, MPKV, Rahuri Dr. K. P. Viswanatha, inaugurated the blood donation camp. Total 110 blood bottles donated by the students and staff of MPKV, Rahuri. The Staff and Student's friendly cricket match was also organized at Central Campus, Rahuri on this occasion.



31. Mr. Ru Yi and Mr. JiJie, Member China Agricultural Machinery Distribution Association visited on 06th September, 2018 AICRP on FIM.
32. Miss. A. S. Jayaram and Miss. E. Kavinam & Miss. S. M. Kavibharathi student of M. Sc. (Agri) Agril Economics, College of Agriculture, Kolhapur has received Best Paper and Best Poster Presentation Awards respectively in “The National Conference of Maharashtra Society of Agricultural Economics (MSAE)” at The Fern Kadamba Hotel, Goa during 25th - 26th October, 2018.
33. Dr. B. N. Pawar received ‘SEE Fellow Award’ for outstanding contribution in Teaching, Research and Extension Management by Society of Extension Education conferred in 09th National Conference of SEE held at Ranipool (Sikkim) during 15th & 17th November, 2018.
34. Patent: Title of Invention: Health drink/sport drink from banana pseudo-stem extract (Published).
35. Dr. T.B. Bastewad received “KRISHITHON Award” Nashik on 22nd November, 2018 for valuable contribution in the field of Farm Mechanization.
36. Mahatma Jotiba Phule Punyatithi was celebrated on 28th November, 2018 at Central Campus MPKV, Rahuri under the Chairmanship of Dr. K. P. Viswanatha, Hon. Vice Chancellor, MPKV, Rahuri and in the presense of Dr. K.D. Kokate, Director of Extension Education. Dr. Shripal Sabnis, Jalgaon was the chief guest of the function.
37. The 33rd convocation was organized on 07th December, 2018. Miss. Shinde Kalindee Sharad, Department of Plant Pathology and Agril. Microbiology was awarded Gold Medal in Plant Protection group. Also the topper students received awards in various Departments.
38. Mr. Veerendra Naik, student of (M.Sc. III semester student) got first prize in oral presentation in “International conference on Materials and Environmental Science (ICMES-2018)” during 07th to 08th December, 2018 held at Shivaji University, Kolhapur.
39. The 16th Maharashtra State Inter University Cultural Youth festival “Indradhanushya 2018” was organized from 07th to 11th December, 2018 at Yashvantrao Chavan Maharashtra Open University, Nashik.
40. XXXIII Workshop of AICRP on Farm Implements and Machinery, which aimed to provide a platform for interaction amongst researchers, tractor and farm machinery manufacturers and policy makers, was held at MPKV, Rahuri during 08-10th January, 2019. The meeting was attended by around 75 participants from Research & Development organizations from different SAUs and ICAR institutes, farm machinery manufacturers etc. The inaugural session of the workshop was held on 09th January, 2019 under the chairmanship of Dr. Kanchan Kumar Singh, Assistant Director General (F. Engg.), ICAR and Dr. K. P. Viswanatha, Vice Chancellor, MPKV, Rahuri was the Chief Guest. Dr. K. K. Singh, Director, ICAR-CIAE, Bhopal and Dr. V. M. Mayande, Ex. Vice Chancellor, Dr. PDKV, Akola were the Guests of Honors during the session.
41. Mrs. M. C. Dhavale received Consolation Prize for Poster presentation for the paper entitled “Growth and yield performance of selected wild edible oyster mushroom (*Pleurotus* spp.) on wheat straw” [authored by M.C. Dhavale, A.P. Gaikwad, A. C. Jadhav and N.G. Desai] in National Symposium on “Trends and Innovations in mushroom Production



- Technologies, Diversification, Processing and Consumption” held at HAIC, R & D Centre, Murthal, Haryana during 31st January, 2019 to 02nd February, 2019.
42. Prof. M. M. Pacharne, Prof. T. B. Bastewad and Prof. V. D. Deshmukh received Best Poster Presentation Award in International Symposium on Edible Alliums: Challenges and Opportunities on 12th February, 2019 at Rajgurunagar, Pune.
43. Agricultural Equipment Development Competition’ for the Agricultural and Engineering students from all over India acronym as TIFAN (Technology Innovation Forum for Agriculture Nurturing) was conducted during 21st to 23rd March, 2019 at Central Campus, MPKV, Rahuri. Team of Dr. ASCAE & T, MPKV, Rahuri secured Best Fuel Economy Award in TIFAN (Technology Innovation Forum for Agriculture Nurturing).
44. Dr. R. D. Bansod received ICAR Best Teacher Award at the auspicious hands of Dr. A. K. Mishra, Chairman, ASRB, New Delhi on 29th March, 2019.
45. Best Oral Presentation for papers Block level Meteorological Drought Pattern and Contingency crop planning in Jalgaon District of Maharashtra State by Krishna Kulkarni, Jadhav J. D. Shradha Bagade, Sthool V. A. and Shaikh A. A. during Annual Monsoon Workshop (AMW-2018) & Prof. D. R. Sikka Memorial National Symposium on “Role of Weather & climate observations and Forecasting on Increasing Agricultural Productivity & Risk Management” during 28-30th March, 2019 at IITM, Pashan, Pune.
46. Students of Mahatma Phule Krishi Vidyapeeth, Rahuri participated in various Inter University Tournaments during year 2018-19 as given below-

Sr.No.	Event	Date	Organizing University
1	Mallkhamb	15 th to 19 th Jan., 2018	Punjab Kurukshetra University, Kurukshetra
2	Table-Tennis (M)	23 rd to 26 th Jan., 2018	Solapur University, Solapur
3	Table-Tennis (W)	01 st to 05 th Feb., 2018	Jagran Lakecity University, Mugaliyachhap, Bhopal
4	Cricket (Men)	14 th to 27 th Feb., 2018	Barkatullah University, Bhopal
5	Badminton (M&W)	12 th to 16 th Nov., 2018	Swami Ramanand Teerth Marathwada University, Nanded
6	Wrestling (M)	14 th to 18 th Nov., 2018	Chaudhary Bansi Lal University, Bhiwani
7	Hockey (M)	2 nd to 6 th Nov., 2018	Lakshmibai National Institute of Physical Education, Gwalior
8	Table Tennis (W)	13 th to 16 th Nov., 2018	Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon
9	Table Tennis (M)	20 th to 23 th Nov., 2018	Swami Ramanand Teerth Marathwada University Nanded
10	Mallkhamb (M)	13 th to 15 th Nov., 2018	Punjab University, Chandigarh
11	Weight Lifting & Best Physique	17 th to 20 th Nov., 2018	University of Calicut
12	Chess (M&W)	29 th Nov. to 3 rd Dec. 2018	Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola
13	Football (M)	11 th to 21 st Dec., 2018	University of Mumbai

47. 64 students were selected as Agriculture Officer in State Agriculture Department through MPSC/Banks.



1.2 Research

1. The University released 8 new crop varieties i.e. Finger millet (*Phule Kasari*), Groundnut (*Phule Dhani* (JL-1085)), Sugarcane (Phule 09057), Cotton (*Phule Mahi* (RHB-1122)), Ber (*Phule Shabari* (SLB-26)), Fenugreek (*Phule Kasturi*), Double Bean/Lima Bean (*Phule Suvarn*), Tuberose (*Phule Rajat* (GK-T-D-1)).
2. The University released one Agri. Farm Implement - Phule Hydro-Mechanically Controlled Weeder.
3. The University passed 47 recommendations on various aspects for the benefit of the farming community.
4. The University produced 17,982 quintals of seed.
5. A total of 11.05 lakh planting material of fruit crops and ornamental plants was produced by University.
6. A total of 87 litre and 128 q. of biopesticides and 41 MT and 5500 litres of biofertilizers were produced by various centers of the University.
4. During the year different 1885 Extension Education methods and Aids viz., 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 381 places to guide the farming community.
6. Different publications viz., Krishi darshani (15000), Shri Sugi (6000), Folders, booklets, MPKV Happenings were released by the University and made available to the end users.
7. Nearly 69,179 VIP's, students, farmers, trainees and officers visited central campus, MPKV, Rahuri and 30,000 visited other centers to acquire recent knowledge of agriculture and allied enterprises.
8. The University scientists attended 29,620 Help line calls and guided the farmers on major issues.
9. Through Mobile Crop Dispensary 1,525 Soil Samples, 445 water samples, 325 pests samples, 210 diseases samples were tested and 1525 soil health cards were issued on the spot by the University scientists along with necessary guidance.

1.3 Extension Education

1. About 403 training programmes for farmers, farm youth, farm women, staff of development departments and inter action 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 84 monthly district workshops were organized and 2100 were the beneficiaries.
3. A total of 756 method demonstrations, 562 Result demonstrations, 615 Front line demonstrations and 1130 assessment trials were conducted and 10,880 farmers were benefitted from these demonstrations.



2. Education

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

1. Faculty of Agriculture
2. Faculty of Agricultural Engineering

1. Faculty of Agriculture

Agriculture faculty is a vast and diversified field offering numerous career options. The Faculty of Agriculture imparts education in various fields viz., Agronomy, Horticulture, Agricultural Biotechnology, Food Technology, Post Harvest Technology, Soil Science & Agril. Chemistry, Plant Protection, Agro Forestry, Agricultural Business Management, Micro Irrigation Systems, Social Sciences etc. The Faculty of Agriculture is responsible for undergraduate, post-graduate and doctoral degree academic programmes. The main streams of faculty of agriculture are as follows :

B.Sc. (Hons) Agriculture

Agriculture education is imparted to develop skilled human resource for developing sustainable agriculture farming system leading to technological and economic empowerment of farmers. B.Sc. (Hons) Agriculture is a four-year degree course spread over 8 semesters with 183 credit load. Total 143 course credit of B.Sc. (Hons) Agriculture degree are completed up to first six semesters. In VII semester, Rural Agricultural Work Experience (RAWWE) & Agro-Industrial Attachment programme of 20 credits is implemented, which exposes students to the rural life and farming situations and the constraints in adoption of modern technology by the farmers. In VIII semester Experiential Learning programme is implemented under which the students undergo Hand-on-Training (HoT) in any two modules of 10 (0+10) credits. Maharashtra Agricultural University Examination Board, Pune conducts common semester end theory examinations of the undergraduate

programme. Under this university, 6 constituent colleges and 27 affiliated agricultural colleges offer B.Sc. (Hons) Agriculture degree programme.

B.Sc. (Hons) Horticulture

Horticulture education until 1970 was taught as a part of agriculture curriculum in India. Realizing the importance of horticulture in promoting livelihood security, economic empowerment and nutritional security, horticulture emerged as a separate discipline. Under the jurisdiction of university, first Horticulture College was established at College of Agriculture, Pune in the year 1984. B.Sc. (Hons) Horticulture is a four - years degree course spread over 8 semesters. The total credits requirement for the B.Sc. (Hons) Horticulture degree Course are 182. In VII semester Students READY (RHWE) programme is implemented in addition to placement in industry. This program is implemented by one constituent college and five affiliated horticultural colleges of the University.

B. Tech. (Food Technology)

B.Tech. (Food Science and Technology) is a 4 year degree course spread over 8 semesters. Out of total 183 credits, 145 course credits are completed upto VI semester. In VII 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 VIII 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 man power 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. Sc. (Hons) Agril. Business Management

B. Sc. (Hons) Agril. Business Management degree programme is a 4 year degree course spread over 8 semesters. The course 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. The course helps students to get acquainted with the knowledge regarding agriculture, agri. economics, agri. marketing and agri. business management. Out of total 180 credits, 140 course credits are completed upto VI semester. In VII semester, 20 credits are recommended for any two module of 10 (0+10) credits Experiential Learning. The modules developed are namely agro based industries, management of agro allied industries, post harvest management, project planning, formulation, evaluation of high valued crops and marketing management of agri. input industries. In VIII Semester students are offered 20 credits for In-plant Training. The programme is implemented at nine affiliated colleges of the University.

B.Tech (Bio-Technology)

B.Tech (Bio-Technology) is a 4 year degree course spread over 8 semesters having 186 credits. Since biotechnology is integrated science of various disciplines, this UG programme comprises four departments like Animal Biotechnology, Plant Biotechnology, Microbial and Environmental Biochemistry and Bioinformatics.

In VII semester Students READY- Experiential Learning Programme of 20 (0+20) credits if offered for specialized skill development. During VIII semester Student READY- Project Formulation and Entrepreneurial Development in Biotechnology (on/ off campus) of 20 (0+20) credits is offered. There are six

affiliated Agril. Biotech Colleges under MPKV, Rahuri for creating human resource in Agril. Biotechnology.

1.1 Constituent Colleges

a) College of Agriculture, Pune



The historical College of Agriculture, Pune, 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. It offers PG degree programme in various subjects along with the recently started MBM (Agri.) degree. The college has 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 and Prawns Farming Unit, Medicinal and Aromatic Plants Project and a well equipped nursery.

b) 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. The College of Agriculture is located on the Pune-Bangalore National Highway. The college was established in the year 1963 and 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. This college has annual intake capacity of 190 students. It offers PG degree programme in various subjects. The 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.

c) College of Agriculture, Dhule



Dhule is the northern district of Western Maharashtra region. The College of Agriculture was established in the year 1960 and has an annual intake capacity of 128 students. The College has a beautiful campus with spacious buildings for each department. The college also serves as a regional research centre for the northern part of the Maharashtra, with a focus on research on dry farming, cotton and groundnut. The

college 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.

d) 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 and internet facilities

e) College of Agriculture, Karad



College of Agriculture, Karad is established on the occasion of Birth centenary year (2013) of Hon. Ex-Chief Minister of Maharashtra Shri. Yashwantraoji Chavan. The dream of Hon. Shri. Yashwantraoji Chavan was to establish a college which will give the education to the rural masses for development of agriculture, social and economical conditions of the rural people of the western region of Maharashtra. The College

was established on 16/07/2013 and actual working was started on 16/08/2013. The intake capacity of this college is 60 students.

f) College of Agriculture, Nandurbar



The Nandurbar district was established on 1 July, 1998 by the division of Dhule district. It includes 6 tahsils in the district. Nandurbar, the northern most district town of Maharashtra State is located in the tribal areas. In Nandurbar district 28.30 per cent area is under irrigation. The College of Agriculture, Nandurbar started from the year 2013-14 with the intake capacity of 60 students and 80 per cent reservation for tribal students.

g) College of Agriculture, Muktainagar

The College of Agriculture, Muktainagar is the newly established college working under MPKV jurisdiction from 2nd September, 2015 vide G. R, Government of Maharashtra and Department of Agriculture, Resolution No. MPKV-1415/Case No.44 /7A dated 25-8-2015. The academic programme for B.Sc. (Hons) Agri degree course was started during the year 2015-16 with intake capacity of 60 students. Land for this college was acquired from Samast Leva Panch Mandal Kothali, Tal. Muktainagar (Hartala) (31.08 ha.) and 8.93 ha Govt. land from Grampanchayat Samiti, Manegaon, Tal. Muktainagar. The college offers degree programme in B.Sc. (Hons) Agri. In addition to teaching, the activities like tree plantation, rejuvenation of old trees and complaints regarding farmers were also carried out by the staff.

h) College of Agriculture, Halgaon

The College was established in 2016. It has an annual intake capacity of 60 students per year. It offers under graduate B.Sc. (Hons) Agri. degree programme.

Affiliated Colleges

Mahatma Phule Krishi Vidyapeeth, Rahuri realized the need and demand for more trained human resource in agriculture and accordingly provided affiliation to 64 colleges in the faculty of agriculture. These colleges offer various undergraduate degree programs in the faculty of agriculture. There are 27 Colleges of Agriculture, 05 Colleges of Horticulture, 08 Colleges of Food Science, 09 Colleges of Agril. Business Management, 06 Colleges of Agril. Biotechnology, 08 Agril. Engineering and 01 Animal Husbandry College.

Post Graduate Programme



The faculty offers post graduate degree programme leading to M.Sc. (Agri) degree and doctoral programme leading to Ph.D degree in 20 disciplines. The common entrance test is conducted by Maharashtra Agricultural Universities Examination Board (MAUEB) for Post Graduate Courses of all the faculties in the state

M.Sc. (Agri)

The M.Sc (Agri) degree course 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), thus making the 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 and 28 at College of Agriculture, Dhule.

Ph. D.

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 in to 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 in student undertake appropriate need based research by way of conducting field experiments or collection of data or both to fulfill his research objectives. The Ph.D. dissertation is independently evaluated by two experts from any of the SAUs in India. 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 is 70 at Post Graduate Institute, MPKV, Rahuri and 02 at College of Agriculture, Pune. In addition, in-service candidates are allotted admission for Ph.D. degree programme.

Post Graduate Institute

The Post Graduate Institute was established in 1972 to meet the higher educational needs of agriculture in the State. The institute offers M.Sc. (Agri) degree in 18 disciplines namely- Agronomy, Genetics & Plant Breeding, Seed Science & Technology, Plant Physiology, Animal Science, Dairy Science, Plant Pathology, Agril. Microbiology, Agricultural Economics, Agricultural Entomology, Extension Education, Fruit Science, Vegetable Science, Bio-chemistry, Food Science and Technology, Soil Science and Agril. Chemistry, Agricultural Biotechnology and Irrigation Water Management. The Ph. D. programme is offered in twenty disciplines. 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 centres are available to students 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 and Bakery Unit.

College of Agriculture, Pune

Post graduate programme was started from the year 1984. The intake capacity of M.Sc. (Agri.), M.Sc. (Horti.) and MBA (Agri.) is 54, 6 and 30 respectively. Ph.D is offered in Agriculture Meteorology with an intake capacity of two students per year.

College of Agriculture, Dhule

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.



College of Agriculture, Kolhapur

Post graduate programme was started from the year 2009-10. The intake capacity of M.Sc. (Agri.) and M.Sc. (Horti.) is 48 and 4, respectively.

1.2 Faculty of Agricultural Engineering

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. The faculty has one constituent college and eight affiliated colleges offering education in agricultural engineering with 183 credits. All these colleges offer undergraduate degree program leading to B.Tech. (Agril. Engg.) degree whereas the constituent college at Rahuri offers post graduate program in agricultural engineering leading to M. Tech. (Agril. Engg.) and Ph.D. in Agril. Engg.

Dr. Annasaheb Shinde College of Agricultural Engineering and 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 which was initiated in 1982. Dr. A. S. College of Agril. Engg. & Tech. has recently started the Ph.D. in Agril. Engineering by course work and research 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. Centre for Advanced Agricultural Science and Technology (CAAST) on Climate Smart Agriculture and Water Management (CSAWM) project has been sanctioned to the university for Rs. 1990.10 lakhs with financial support from ICAR, New Delhi and World Bank.

Lower Agricultural Education

Under the Lower Agricultural Education, Diploma programme is offered in Marathi (Agri. Technical)/ Semi English (Agril. Polytechnic) medium through 10 constituent Agri. Technical Schools and 77 affiliated Agri. Technical & Agri. Polytechnic Schools in the jurisdiction of the University with intake capacity of 60 students per year. The concept of lower agricultural education revolves around improving the competency of participating students and providing trained manpower at the grassroots level. Besides Agri. Tech. Schools there is one constituent and 4 Affiliated Mali Training Centres conduct one year certificate course with intake of 40 students per year.



Gardeners Training Course

Under the jurisdiction of the University Gardeners Training Course is implemented at 1 Constituent and 4 Affiliated centers with total intake of 200 per year.

Agricultural Knowledge Management Unit (AKMU)

The MPKV, Rahuri has V-SAT connectivity at Central Campus, constituent colleges and research stations. AKMU has a good network of OFC and Wi-Fi connectivity with 200 nodes. The video conferencing facility has been created at three places in central campus and eight off campus centers (College of Agriculture-Kolhapur, Pune and Dhule, ZARS-Igatpuri and Solapur, ARS, Kasbe Digraj, Dist. Sangli, CSRS, Padegaon, Dist. Satara and Oilseed Research Station, Jalgaon). The project is wholly owned and controlled by MPKV, Rahuri with server at AKMU and in the service of students and scientists. This is the mega project of MPKV under special funds received from ICAR, New Delhi.

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.

1) Library Budget

During the year University Library, Rahuri received the grants of Rs. 42.00 lakhs for salary and Rs. 8.25 lakh for Contingent expenditure and University fund of Rs. 2.90 lakh in addition to ICAR grants of 19.00 lakhs. This library received total grants of Rs. 75.15 lakh during the year under report.

2) Acquisition of Books And Journals

During the year under report the library received 312 books, 172 theses back volume 106, thus making total collection of 1,12,321 as on 31.3.2019. 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

IT BASED SERVICES

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)



Educational Institutes

Sr. No.	Name of College	Syllabus	Intake Capacity
A) Constituent Colleges			
1	Post Graduate Institute	Ph.D	72
		M.Sc. (Agri)	168
		M.Sc. (Hort.)	12
		M.Sc. (Bio-tech)	8
2	College of Agriculture, Pune	M.Sc. (Agri)	54
		M.Sc. (Hort.)	6
		M.B.A. (Agri)	30
		B.Sc.(Agri)	190
3	Rajshri Shahu Maharaj College of Agriculture, Kolhapur	M.Sc. (Agri)	48
		M.Sc. (Hort.)	6
		B.Sc.(Agri)	190
4	College of Agriculture, Dhule	M.Sc. (Agri)	24
		M.Sc. (Hort.)	4
		B.Sc.(Agri)	128
5	College of Agriculture, Karad	B.Sc.(Agri)	60
6	College of Agriculture, Nandurbar	B.Sc.(Agri)	60
7	College of Agriculture, Muktainagar	B.Sc.(Agri)	60
8	Punyashlok Ahilyadevi Holkar College of Agriculture, Halgaon Tal. Jamkhed, Dist. Ahmednagar	B.Sc.(Agri)	60
9	College of Horticulture, Pune	B.Sc.(Horti)	32
10	Dr. Annasaheb Shinde College of Agril. Engineering and Technology, Rahuri	Ph.D.	06
		M.Tech. (Agril Engg.)	12
		B.Tech. (Agril Engg.)	64
B) Affiliated Colleges			
1	College of Agriculture, Akluj	B.Sc.(Agri)	120
2	Dr. Appasaheb Pawar College of Agriculture, Baramati	B.Sc.(Agri)	180
3	Loknete Mohanrao Kadam College of Agriculture, Sonsal Hingangaon, Tal.Kadegaon	B.Sc.(Agri)	120
4	Karmyogi Dulaji Sitaram Patil College of Agriculture, Gangapur road, Nashik	B.Sc.(Agri)	120
5	Jaywantrao Bhosale Krishna College of Agriculture, Rethare	B.Sc.(Agri)	120
6	College of Agriculture, Sonai	B.Sc.(Agri)	180
7	K.K.Wagh College of Agriculture, Nashik	B.Sc.(Agri)	120
8	Dadasaheb Mokashi College of Agriculture, Rajmachi	B.Sc.(Agri)	120
9	Dr.Ulhas Patil College of Agriculture, Jalgaon	B.Sc.(Agri)	120



Sr. No.	Name of College	Syllabus	Intake Capacity
10	Vasant dada Patil College of Agriculture, Ambi, Talgaon Dabhade	B.Sc.(Agri)	120
11	College of Agriculture, Shahada, Dist. Nandurbar	B.Sc.(Agri)	120
12	Lokmangal College of Agriculture, Wadala	B.Sc.(Agri)	120
13	Dr. D. Y. Patil College of Agriculture, Talsande	B.Sc.(Agri)	120
14	College of Agriculture, Phaltan	B.Sc.(Agri)	120
15	College of Agriculture, Amalner	B.Sc.(Agri)	60
16	Shramshakti College of Agriculture, Maldad, Tal.Sangamner	B.Sc.(Agri)	120
17	Sadguru College of Agriculture, Mirajgaon	B.Sc.(Agri)	120
18	College of Agriculture, Dondaicha, Tal.Sindkhed	B.Sc.(Agri)	180
19	College of Agriculture, Babhulgaon Tal. Yeola	B.Sc.(Agri)	60
20	College of Agriculture, Pravaranagar, Loni Tal. Rahata	B.Sc.(Agri)	60
21	College of Agriculture, Ghargaon, Tal., Shrigonda	B.Sc.(Agri)	60
22	Sharad College of Agriculture, Jainapur Tal. Shirol	B.Sc.(Agri)	60
23	College of Agriculture, Paniv, Tal. Malshiras	B.Sc.(Agri)	60
24	College of Agriculture, Viladghat, Ahmednagar	B.Sc.(Agri)	60
25	College of Agriculture, Nesari, Tal. Gadhingalaj	B.Sc.(Agri)	60
26	College of Agriculture, Malegaon	B.Sc.(Agri)	60
27	College of Agriculture, Bhanashiwra, Newasa, Ahmednagar	B.Sc.(Agri)	60
28	Shrimant Shivajiraje College of Horticulture, Phaltan	B.Sc.(Horti)	80
29	College of Horticulture, Sonsal Hingangaon, Tal.Kadegaon	B.Sc.(Horti)	40
30	K.K.Wagh College of Horticulture, Saraswatinagar, Nashik	B.Sc.(Horti)	40
31	H.H.S.S.M.S. College of Horticulture, Malegaon, Dist.Nashik	B.Sc.(Horti)	40
32	Shriram College of Horticulture, Paniv	B.Sc.(Horti)	40
33	Dr. Ulhas Patil College of Agril. Engineering & Technology, Jalgaon	B. Tech (Agril. Engg)	80
34	Dr. D. Y. Patil College of Agril. Engineering & Technology, Talsande	B. Tech (Agril. Engg)	80
35	K.K.Wagh College of Agril. Engineering & Technology, Nashik	B. Tech (Agril. Engg)	80
36	Sahyadri College of Agril. Engineering & Technology, Yashwantnagar, Karad	B. Tech (Agril. Engg)	40
37	College of Agril. Engineering & Technology, Mirajgaon	B. Tech (Agril. Engg)	40
38	Shriram College of Agril. Engineering & Technology, Paniv	B. Tech (Agril. Engg)	40
39	Shramshakti College of Agril. Engineering & Technology, Maldad	B. Tech (Agril. Engg)	40
40	Dadasaheb Mokashi College of Agril. Engineering & Technology, Rajmachi	B. Tech (Agril. Engg)	40



Sr. No.	Name of College	Syllabus	Intake Capacity
41	Dadasaheb Mokashi College of Food Technology, Rajmachi	B.Tech(Food-Tech)	80
42	K.K.Wagh College of Food Technology, Nashik	B.Tech(Food-Tech)	80
43	Shramshakti College of Food Technology, Maldad	B.Tech(Food-Tech)	80
44	College of Food Technology, Jalgaon	B.Tech(Food-Tech)	40
45	College of Food Technology, Diwanmala	B.Tech(Food-Tech)	40
46	G.D.College of Food Technology, Wagholi	B.Tech(Food-Tech)	40
47	College of Food Technology, Ghargaon	B.Tech(Food-Tech)	40
48	College of Agril. Bio-Technology, Loni, Tal.Rahata	B.Sc.(Agril. Bio-tech)	80
49	K.K.Wagh College of Agril. Bio-Technology, Nashik	B.Sc.(Agril. Bio-tech)	80
50	Lokmangal College of Agril. Bio-Technology, Wadala	B.Sc.(Agril. Bio-tech)	40
51	Modern College of Agril. Bio-Technology, Paud, Tal.Mulshi	B.Sc.(Agril. Bio-tech)	40
52	College of Agril. Bio-Technology, Madadgaon, Tal.Nagar	B.Sc.(Agril. Bio-tech)	80
53	College of Agril. Bio-Technology, Baramati	B.Sc.(Agril. Bio-tech)	40
54	Dr. D. Y. Patil College of Agricultural Business Management, Akurdi	BBM (Agri.)	80
55	College of Agricultural Business Management, Narayangaon, Tal.Junner	BBM (Agri.)	80
56	College of Agricultural Business Management, Sangli	BBM (Agri.)	40
57	College of Agricultural Business Management, Gunjalwadi, Tal.Sangamner	BBM (Agri.)	40
58	College of Agricultural Business Management, Loni, Tal. Rahata	BBM (Agri.)	40
59	K.K.Wagh College of Agricultural Business Management, Nashik	BBM (Agri.)	40
60	College of Agricultural Business Management, Wadala	BBM (Agri.)	40
61	College of Agricultural Business Management, Sharadnagar, Baramati	BBM (Agri.)	40
62	College of Agricultural Business Management, Paniv	BBM (Agri.)	40
63	College of Animal Husbandary, Baramati	B.Sc.(Animal Husbandry)	30
C) Agril. Tech. Schools & Mali Training Centers			
1	Ghatak Krishi Tantra Vidyalaya, Manjari Farm (Pune), Kolhapur, Dhule, Borgaon (Satara), Solapur, Digraj (Sangali), Puntamba (Ahmednagar), Jalgaon, Malegaon (Nashik)	Agril. Diploma	60 each
2	Private Agril. Tech. Schools/Polytechnics (Total 74)	Agril. Poly. Diploma	60 (each)
3	Mali Training, Ganeshkhind, Pune	Certificate Course	40
4	Recognized Mali Training (Total - 04)	Certificate Course	40 (each)



**Passout Students of Post Graduate, Graduate, Agril. Diploma & Agril. Polytechnic of MPKV, Rahuri
(Academic year 2018-19)**

Sr.No.	Programme	Passout Students
Graduation		
1.	B.Sc. (Agril.)	2925
2.	B.Sc. (Horti.)	244
3.	B.Tech. (Agril. Engg.)	420
4.	B.Tech. (Food Technology)	374
5.	BBM (Agril.)	342
6.	B.Sc. (Agril. Bio.Tech.)	301
7.	B.Sc. (Animal Husbandary)	20
	Total	4626
Ph.D. and Post Graduation		
8.	Ph.D.	52
9.	M.Sc. (Agril.)	251
10.	M.Sc. (Horti.)	14
11.	M.Tech. (Agril. Engg.)	10
12.	MBA (Agril.)	30
13.	M.Sc. (Bio.Tech.)	3
	Total	360
Agril. Diploma & Agril. Polytechnic		
14.	Agril. Diploma	1386
15.	Agril. Polytechnic	1082



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 Zone extended from Solapur to Nandurbar. In addition, Jalgaon district with assured rainfall which falls in Central Plateau Zone in the jurisdiction of the university.

For conducting the research on soil, climate, cropping system, livestock and other aspects of farming business, the university has a network of research stations spread in different agro climatic zones. In all, 27 research stations are located in 4 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 Research Stations are located at Igatpuri, Pune, Kolhapur and Solapur. There are 18 Sub-Research Stations where mainly monitoring of research work is being done to test the technologies developed by the University as well as to take up the research programmes based on feedback received from the farmers.

At present, there are 82 non-plan schemes funded by State Govt., 45 AICRPs on different crops /plant sciences, 1 Network Projects funded by ICAR on 100% basis and one Centrally Sponsored Research Schemes funded by the Central Govt., Ministry of Agriculture 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 50 years, the university has released quite good number of high yielding varieties (more than 263) 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.

During the period under report, university has recommended 8 crop varieties and 1 farm implement for release along with 47 recommendations, various aspects and registration of 1 biotic stress tolerant plant sources for benefit of the farmers.

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 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.



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

Research Station	Lead Function (s)	Verification Function (s)
A. Western Ghat Zone		
1. Igatpuri (Zonal Agril. Research Station)	Rice, Niger, Silviculture, Soil Water Conservation Engineering	Ragi, Beans, Rainfed fruits, Plantation crops, Turmeric
2. Lonavala	Rice (Screening for blast)	--
3. Mahabaleshwar	Wheat (Screening against rust)	Vegetables (cruciferous), Berries
4. Radhanagari	Paddy	Beans, Wheat, Wal
B. Sub-Montane Zone		
1. Kolhapur (Zonal Agril. Research Station)	Maize, Small Millets, Pandharpuri Buffaloe, Hortipastoral Systems, Sugarcane,	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. Gadhinglaj	Organic farming, Basmati Rice	Sorghum (K), Pulses, Chilli, and Oilseeds
4. Karad	INM for Cropping Systems	Pulses, Maize, Kharif Jowar, Soybean, Sunflower, Groundnut,
5. Vadgaon Maval	Rice	Rice based Cropping System.
C. Plain Zone		
1. Ganeshkhind, Pune (Zonal Agril. Research Station)	Fruits, Vegetables, Flowers, Rajmah Bean, Spices, Plantation Crops, AICRP on Potato	Pulses, Oilseeds and Wheat
2. Digraj	Turmeric, Soybean, Groundnut Betelvine, Problematic Soils	Kharif Jowar, Pulses Sugarcane, Sugar beet,
3. Niphad (State Level)	Wheat, Wheat based Cropping Systems	Pearl millet, Pulses and Oilseeds
4. Pimpalgaon Baswant	Grapes, Onion and Garlic	Pomegranate and Vegetables
D. Scarcity Zone		
1. Solapur (State Level) (Zonal Agril. Research Station)	Soils, Dry farming, Safflower Agrometeorology, Sunflower	Pearl millet, Pulses, Sorghum (R)
2. Mohol	Sorghum (R)	Pulses and Oilseeds
3. Jeur	Organic Farming System	Rabi Jowar, Pulses
4. Pandharpur	Pulses, Oilseeds	Arid Zone Fruit Crops
5. Chas	--	Dry farming, Pearl millet, Pulses (K), Sorghum (R)
6. Padegaon (State Level)	Sugarcane, Sugarcane based Farming & Cropping System	Sugar beet
7. 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. Kopargaon	Sunflower	Pearl millet, Pulses, Soybean, Cotton and Wheat
9. Shrirampur	Citrus	--
10. Dhule	Dry farming, Pearl millet, Grasses	Sorghum (K), Pulses, Oilseeds, Rainfed Cotton, Arid Zone Fruit Crops
11. Jadhavwadi (Pune)	Fig and Custard apple	Fig and custard apple
12. Lakhmapur	Pomegranate	Pomegranate
E. Central Plateau Zone		
1. Jalgaon (State Level)	Oilseeds, Banana and Betelvine, Rainfed Cotton	Pulses, Sorghum (K), Soybean, Sunflower



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.

Significant Research Achievements

I. Released Varieties /Hybrids

Field Crops

1. Fingermillet : *Phule Kasari*

Phule Kasari (KOPN 942) variety is released for cultivation in finger millet growing areas of Maharashtra state.



नाचणी - फुले कासारी (केओपीएन ९४२)

Salient Features :

- High yield.
- Medium Maturity group (100 - 110 days)
- Dwarf plant type
- Non lodging, high tillers
- Thick open panicle, long finger length.
- Brown seed colour
- Highly Resistant to finger blast, neck blast and resistant to node blast.

2. Groundnut : *Phule Dhani* (JL-1085)

A new Spanish bunch high yielding groundnut variety JL-1085 (*Phule Dhani*) developed at ORS, Jalgaon is released for cultivation in Maharashtra state during kharif season.



भुईमूग- फुले धनी (जे एल १०८५)

Salient Features :

- High yielding in rainfed condition
- Medium tall in height (30-35 cm).
- Sequential flowering.
- Three seeded pod (80%) with medium kernel are oblong-elongated,
- High oil content- 51%

- Early (109 days) and Uniform maturity.
- Resistant to soil borne diseases, moderately resistance to foliar diseases and resistance to pest Spodoptera and Thrips incidence under field condition

3. Sugarcane : *Phule 09057*

The midlate maturing sugarcane variety CoM 12085 (*Phule 09057*) is recommended and released for jaggery purpose in Maharashtra for suru season.



ऊस-फुले ०९०५७ (कोएम-१२०८५)

Salient Features :

- Midlate maturing variety, recommended for suru season.
- Recommended for Jaggery making in Maharashtra State.
- Resistant (R) to smut, Moderately susceptible (MS) to red rot and Moderately resistant (MR) to wilt.
- Resistant to foliar diseases (Rust, brown spot, Pokka boeng) under natural conditions.

4. Cotton : *Phule Mahi* (RHB-1122)

Extra longstapleinter specific cotton hybrid *Phule Mahi* is recommended and released for cultivation in irrigated condition of



संकरित कापूस-फुले माही (आर एच बी ११२२)

Central Zone of India (Maharashtra, Madhya Pradesh and Gujrat) and South Zone of India (Karnataka, Andra Pradesh, Telangana and Tamil Nadu).



Salient Features :

- Long staple cotton.
- Moderately resistance reaction to Alternaria Leaf Blight and disease free reaction to Bacterial Leaf Blight and Grey mildew.
- Tolerant to sucking pests and bollworms.
- Recommended for Central zone of India comprises state of Maharashtra, Madhya Pradesh and Gujarat. South zone of India comprises state of Karnataka, Andhra Pradesh and Tamil Nadu.

Horticulture Crops**5. Ber : *Phule Shabari* (SLB-26)**

Ber cv. *Phule Shabari* having attractive yellowish green colour, oval shape fruits, sugar: acid blend, higher yield, maximum shelf



बोर - फुले शबरी (एस एल बी-२६)

life and tolerant to fruit borer and powdery mildew is recommended and released for cultivation in Maharashtra.

Salient Features :

- Trees are semi-spreading in nature with dark green foliage.
- Period from flowering to harvesting 150-175 days.
- Fruits are medium in size (5.52 g).
- Fruit yield/tree (26.01 kg/tree).
- Fruits are having attractive yellowish green colour, oval shape, surface is smooth.
- Acceptable on the basis of quality, shape, yield, sugar: acid blend and shelf life.
- Tolerant to fruit borer and powdery mildew disease.

6. Fenugreek : *Phule Kasturi*

The fenugreek variety “Phule Kasturi” with red leaf margin, more branching as well as green yield is recommended and released for cultivation in Maharashtra.

Salient Features :

- High yield (110.15 q/ha)
- Yield increase over Cv. Methi Extra Bold (15.01%) and RMT-1 19.92%)
- Green colour foliage with red leaf margin.
- Moderately resistant to powdery mildew, damping off and leaf miner.
- Rich source of vitamin A and dietary fibre



मेथी- फुले कस्तुरी (जीकेएफ-३)

7. Double Bean/Lima Bean : *Phule Suvarn*

The double bean (lima bean) variety *Phule Suvarn* having higher pod yield, slightly curved green pods with bold grain size is recommended and



डबल बीन/लायमा बीन - फुले सुवर्ण (जीके-११)

released for cultivation in Western Maharashtra.

Salient Features:

- Average yield (132.66 q/ha)
- Yield increase over local variety by 26.51 %
- Pods are slightly curved, green in colour with bold grain size.
- Moderately tolerant to bean common mosaic virus disease
- Moderately resistant to aphids

8. Tuberose : *Phule Rajat* (GK-T-D-1)

The double type tuberose variety, “*Phule Rajat*” (GK-T-D-1) having uniformly distributed 50-60 attractive white flowers on spike with fragrance and more vase life is recommended and released for cultivation in Western Maharashtra.



निशिंगंध - फुले रजत (जीके-टी-डी-१)

Salient Features:

- More vase life.(10-11 days)
- Uniformly distributed white flowers on spike with fragrance (50- 60)
- Appropriate spike length (70-80 cm)
- Rachis length is 50 percent of the spike length
- Non lodging.

Farm Machinery**Phule Hydro-Mechanically Controlled Weeder :**

Tractor Operated Phule Hydro-Mechanically controlled Weeder for Inter – Row Cum Intra – Row Weeding in Orchards is recommended and released.



ट्रक्टरचलित फुले हायड्रो- मेकेनिक नियंत्रित तल काढणी यंत्र

Salient Features:

- Easy extend and retract of the rotary unit by swiveling action of hydro-mechanically controlled sensor. Hence, no need of ultra light sensor based movement of the arm.
- Wrap around frame will give upfront visibility to the operator. Mechanical linkages with hydraulic mechanism has been used hence the cost of the machine is reduced significantly.
- Suitable for inter-row as well as intra-row weed removal in orchards.

Resistant Source for Biotic and Abiotic stress

1. The cotton genotype AKH -13-51 is recommended as resistant source against jassid on the basis of jassidinfestation , morphological and biochemical traits.
2. The rabi sorghum line RSV 1188 is recommended as a shootfly resistant source on the basis of morphological characters, biochemical traits and

dead hearts percentage.

3. The rice genotype RDN -114 having long bold grain type, dwarf plant structure and midlate maturity is recommended as a donar for resistance to leaf blast disease.
4. The rice genotype RDN -146 having short slender grain type, medium plant structure and late maturity is recommended as a donar for resistance to leaf blast disease.
5. The rice genotype RDN -188 having medium slender grain type, dwarf plant structure and midlate maturity is recommended as a donar for resistance to leaf blast disease.

Recommendations**Natural Resource Management**

1. Sowing of chickpea crop during 17-23th September (MW 38 i.e North Constellation)is recommended under changing rainfall situation in medium deep soils of scarcity zone of Maharashtra.
2. Sowing of finger millet variety Phule Nachani during 22nd to 28th June (26th MW) is recommended for higher yield and monetary returns under delayed onset of monsoon in Sub montane Zone of Maharashtra.
3. In sub montane zone of Maharashtra, to obtain the higher returns of transplanted summer paddy following package of practice is recommended.
 - Line sowing of seeds of variety Phule Samruddhi in first fortnight of December on raised bed in nursery.
 - Transplanting of 25-30 days old, 2-3 seedlings per hill at 15-25 x 15-25 cm distance as controlled transplanting.
 - Application of 170 Kg Urea -DAP briquette (60:30:0) + 50 Kg K₂O or 125 Kg N: 62.5 Kg P₂O₅: 62.5 Kg K₂O through straight fertilizer per hectare.



4. Sowing of sunnhemp on medium deep soil at spacing 30 X10 cm with application of FYM @ 5.0 t/ha along with fertilizer dose of 20:60:40 (N:P₂O₅:K₂O) kg/ha is recommended for maximum seed yield in *kharif* season with protective irrigation.
5. In medium deep soils of western Maharashtra to obtain maximum green forage yield and net monetary returns from B x N hybrid variety Phule Gunwant following technology is recommended.
 - Application of 10 t FYM ha⁻¹ yr⁻¹.
 - Set treatment of *Acetobactor* and *Phosphate Solubilizing Bacteria* (PSB) 250 g each per 1000 rooted slips.
 - Application of 225:75:60 N:P₂O₅:K₂O kg ha⁻¹yr⁻¹ out of which 75:37.5:30 kg N:P₂O₅:K₂O ha⁻¹ as basal, 30: 37.5: 30 kg N:P₂O₅:K₂O ha⁻¹ after six month at earthing up and 30 kg N ha⁻¹ after each cut.
 - Total six cuts for green forage be taken at an interval of 60 days during a year.
6. After 13 years of long term (2005-06-2017-18) manurial trial, application of 25 kg N ha⁻¹ through FYM @ 5.0 t ha⁻¹ as a nutrient source + 25 kg N through Urea + 25 kg P₂O₅ ha⁻¹ through single super phosphate is recommended for maintaining soil health, higher grain and stover yields and monetary returns of *rabi* sorghum grown on medium deep black soil in scarcity zone of Maharashtra.
7. Seed priming before sowing 10 to 12 hrs with 0.05 % potassium nitrate (5 g KNO₃ 10 liters of water) along with recommended dose of fertilizer (40 kg N + 20 kg P₂O₅ / ha) and 2 % foliar spray of KNO₃ 55 days after sowing is recommended for obtaining more grain and fodder yield and net monetary returns from *rabi* Sorghum.
8. Planting of papaya at a distance of 1.8 m x 1.8 m under drip irrigation scheduled at 120 % ETc every alternate day and fertigation with 75% of RDF through water soluble fertilizers (188:188:375 N, P₂O₅ and K₂O g plant⁻¹) as per given schedule alongwith 10 kg FYM per plant is recommended in medium deep soils of western Maharashtra for obtaining higher returns as well as increasing water and fertilizer use efficiency.

Fertigation schedule for papaya

Sr. No.	Crop stage	Days	No. of splits	Nutrients g plant ⁻¹		
				N	P	K
1.	Transplanting to flower emergence	63	9	94 (50%)	94 (50%)	94 (25%)
2.	Flowering to first harvest	119	17	47 (25%)	47 (25%)	94 (25%)
3.	First harvest to end of first cropping period	133	19	47 (25%)	47 (25%)	188 (50%)
	Total	315	45	188	188	375

9. Based on the analysis of soil and water samples with GIS and GPS mapping, the soil and well water quality under minor no.3 of Mula Left Bank Canal Command is becoming saline in nature and well water moderate to unsuitable for irrigation, it is recommended to adopt recommendations and the technologies developed by Mahatma Phule Krishi Vidyapeeth, Rahuri viz. following crop rotations, inclusion of salt tolerant crops and crops requiring less water and use of drip irrigation system in order to maintain soil fertility and well water quality also to enhance crop yields.
10. Sowing of wheat variety Samadhan in medium black soils of Maharashtra under deficit irrigation for obtaining more yield and returns, it is recommended to follow normal sowing i.e.

between 1-15 November and if one irrigation is available should be given at 41st DAS, if two irrigation are available give at 41st and 62nd DAS alongwith pre and post sowing irrigations.

11. Under irrigated condition, planting of Phule Dhanwantary *deshi* cotton variety at 45 cm (row) x 15 cm (plant) is recommended for obtaining higher seed cotton yield and monetary returns for high density planting.
12. Application of irrigation water through drip at 75% of ETc with 3 days irrigation interval for sugarcane variety MS 10001 is recommended for getting higher water use efficiency (20.37%) and yield.
13. It is recommended to use cocopeat and vermicompost in equal proportion (1:1) as a growing media for raising single eye bud sugarcane seedlings for achieving higher germination percentage of sugarcane seedlings in HDPE polytray.

Animal Science & Dairy Science (ASDS)

14. Body weight of Sangamneri goat can be predicted by using following equation.

$$\text{Body weight (Kg)} = -19.18 + 0.27 (\text{chest girth, cm}) + 0.24 (\text{body length, cm}) + 0.13 (\text{withers height, cm}), (R^2 = 0.91)$$

Basic Science

15. Seed priming with Vitavax @ 2.5g/kg seed for 8 hours is recommended for higher field emergence and better seed yield and quality of kabuli chickpea.
16. Pinching with hedge cutter after 50-60 days of sowing (plant height 90 cm) and foliar application of DAP (2%) + Micronutrients [ZnSO₄ (0.5%) + Boric acid (0.3%)] + NAA (40 ppm) at the time of flowering is recommended for better seed yield

and quality in Sunhemp.

17. Pinching with hedge cutter after 60 days of sowing and foliar application of DAP (2%) + Micronutrients [ZnSO₄ (0.5%) + Boric acid (0.3%)] + NAA (40 ppm) at the time of flowering is recommended for better seed yield and quality in Dhaincha.

Plant Protection

18. Seed treatment of green gram with MPKV consortium of *Rhizobium*, PSB and Potash mobilizing bacteria @ 25g / kg seed along with 75 per cent dose of recommended fertilizers i.e. 15 kg nitrogen and 30 kg phosphate per ha are recommended for obtaining higher yield and saving of 25% nitrogen and phosphate fertilizers.
19. The seed treatment of 50 ml liquid *Rhizobium* + 50 ml liquid PSB per kg of seed with recommended dose of fertilizer (25 kg N : 50 kg P per ha.) for summer groundnut is recommended for obtaining higher yield and monetary returns.
20. Seed treatment of *Bacillus subtilis* @5g/kg of seeds + soil application of FYM enriched with *Trichoderma viride* + *Bacillus subtilis* each @ 5 g/kg of FYM (FYM 1 t + *Trichoderma viride* 5 kg + *Bacillus subtilis* 5 kg/ha) at 30th, 60th and 90th days after sowing is recommended for the effective management of wilt disease and to get higher marketable dry leaf yield of Senna.
21. Three sprays of aqueous plant extracts of Neem leaf @ 10 % conce. (1 kg/10 lit) at an interval of 15 days immediately after appearance of leaf blight disease is recommended for the management of Alternaria leaf blight disease and to get higher marketable dry leaf yield of Senna.
22. The seedling root dip treatment in the suspension of *Bacillus subtilis* @5g/lit (50 g /10 lit) + soil application of FYM enriched with *Trichoderma*



viride + *Bacillus subtilis* each @ 5 g/kg of FYM (FYM 1 t + *Trichoderma viride* 5 kg + *Bacillus subtilis* 5 kg/ha) at 30th, 60th and 90th days after planting is recommended for the management of wilt disease and to get higher fresh herbage yield and higher marketable oil yield of Davana.

23. Hydropriming of sunflower seeds for 12 hrs followed by seed treatment with *Trichoderma harzianum*+ *Pseudomonas fluorescens* @ 5 g each /kg seed and incubation for 12 hrs covering with moist jute bag followed by shed drying is recommended for reducing seed borne infection of *Alternaria helianthi* and blight disease intensity in field and thereby increasing field emergence, seedling vigour and yield.
24. Two sprays of flupyradifurone 200 SL @ 20 ml per 10 litre of water at an interval of 10 days starting from Economic Threshold Level (ETL) are recommended for the control of leaf hoppers and whiteflies on okra.
25. Two sprays of neem oil and karanj oil each @ 20 ml alongwith sticker, Tween 20 @ 2 ml) per 10 lit. of water at an interval of 10 days at 50 per cent flowering stage is recommended for effective control of thrips on pomegranate.
26. Three sprays of *Bacillus thuringiensis* var. galleriae (BTG 4) @ 20 ml per 10 lit. of water at 15 days interval starting from 45 days after sowing is recommended for the control of shoot and fruit borer on okra.
27. The bamboo spp. *Dendrocalamus strictus* is recommended for planting for effective control of small and medium types of gullies in combination with regular structures on hill slopes of watershed area.
28. Harvesting of the runoff in farm pond during rainy season and utilization of harvested water as protective irrigation during 35 to 41 MW for *kharif* crop during the dry spells at flowering stage and or for *rabi* crops during the dry spells at initial development stage in scarcity zone of Maharashtra is recommended.
29. The location specific constants of rainfall Intensity-Duration-Frequency relationship developed for Aurangabad, Buldhana, and Parbhani stations can be updated after 5 years, for Akola station after 10 years and for Amravati station after 15 years.
30. It is recommended to use supply chain with packaging material LDPE 50 micron having 0.5 per cent area of perforation and 10 per cent head space at 10°C for increasing the shelf life of harvested okra up to 12 days.
31. It is recommended to use supply chain with packaging material LDPE 50 micron having 0.2 per cent area of perforation and 10 per cent head space at 10°C for increasing the shelf life of coriander up to 8 days.
32. A. Cultivation of red cabbage (August transplanting) under naturally ventilated polyhouse with daily irrigation @ 90 % of crop evapotranspiration and soluble fertilizers @ 125 % of recommended dose (100:50:50 kg/ha N:P:K) through drip irrigation system at alternate day in 50 splits after 10 days of transplanting is recommended for obtaining higher yield, water use efficiency and monetary benefits.
- B. Cultivation of red cabbage (August transplanting) under green-white shadenet house with 35% shade and daily application of irrigation @ 90% of crop evapotranspiration and water soluble fertilizers @ 100% of recommended dose (i.e. 80:40:40 kg/ha N:P:K)

Agriculture Engineering



at alternate day in 48 splits after 10 days of transplanting through drip irrigation system is recommended for obtaining higher yield, water use efficiency and monetary benefit.

33. The crop coefficients given in the following table are recommended for the estimation of water requirement of Suru Sugarcane (Ratoon)

Week	Kc	Week	Kc	Week	Kc	Week	Kc
1	0.48	16	0.95	31	1.17	46	0.93
2	0.55	17	0.96	32	1.18	47	0.90
3	0.62	18	0.98	33	1.18	48	0.88
4	0.67	19	1.00	34	1.17	49	0.86
5	0.71	20	1.01	35	1.17	50	0.84
6	0.75	21	1.03	36	1.16	51	0.83
7	0.78	22	1.05	37	1.15	52	0.83
8	0.81	23	1.07	38	1.14		
9	0.83	24	1.08	39	1.12		
10	0.85	25	1.10	40	1.10		
11	0.87	26	1.12	41	1.07		
12	0.89	27	1.13	42	1.05		
13	0.90	28	1.14	43	1.02		
14	0.92	29	1.15	44	0.99		
15	0.93	30	1.16	45	0.96		

Alternatively following equation is recommended
Penman Monteith method:

$$Kc_t = 23.38 \left(\frac{t}{T} \right)^5 - 59.18 \left(\frac{t}{T} \right)^4 + 52.65 \left(\frac{t}{T} \right)^3 - 21.23 \left(\frac{t}{T} \right)^2 + 4.784 \left(\frac{t}{T} \right) + 0.426$$

Where,

Kc_t is the crop coefficient of Suru Sugarcane (Ratoon) on t^{th} day; t is day and T is total crop growth period in day.

34. The subsurface drainage system with 40 m drain spacing between two perforated pipes and 1.25 m drain depth is recommended for optimum

drainage, improving soil health and economic production of sugarcane in waterlogged Vertisols.

35. The tabular information and maps developed in Geographical Information System (GIS) by Mahatma Phule Krishi Vidyapeeth for tahsils of western Maharashtra are recommended for estimating weekly water and irrigation requirement of potato and chilli at specific location by surface and drip methods.
36. It is recommended to irrigate rabi potato with 100% irrigation at vegetative and tuber development stage and 20% less water than required during maturity stage (i.e. 60 days up to harvesting) for obtaining optimum production of potato.
37. The crop coefficients as per given in the following table are recommended for the estimation of water requirement of potato

Week since planting	Kc values
1	0.54
2	0.74
3	0.84
4	1.05
5	1.06
6	1.12
7	1.23
8	1.24
9	1.27
10	1.21
11	1.18
12	1.11
13	0.99

$$Kc = 0.428 \left(\frac{t}{T} \right)^5 - 0.002 \left(\frac{t}{T} \right)^4 - 3.444 \left(\frac{t}{T} \right)^3 + 1.763 \left(\frac{t}{T} \right)^2 + 1.609 \left(\frac{t}{T} \right) + 0.356$$

Where,

Kc_t = crop coefficient on t^{th} day

t = number of days since planting

T = total crop period

38. It is recommended to use the following yield



response factors for estimating the yield of potato for different irrigation strategies

1. The estimated seasonal crop response factor K_y for potato crop is determined as 1.54.
2. Stage wise yield response factor (K_y) are
 - i. Vegetative stage (K_{y_1}) = 0.484
 - ii. Tuber development stage (K_{y_2}) = 0.642
 - iii. Maturity stage (K_{y_3}) = 0.410

39. It is recommended to irrigate suru sugarcane with 100 % irrigation at tillering stage (45-135 days after planting), 30 % water deficit during grand growth stage (136 to 300 days after planting) and 60 % water deficit during maturity stage (301 to 360 days after planting) for obtaining optimum production in heavy deep black soils under scarcity zone conditions.

Period (days after planting)	Crop coefficients (Kc)	Period (days after planting)	Crop coefficients (Kc)
0-40	0.40	201-210	1.29
41-50	0.31	211-220	1.29
51-60	0.43	221-230	1.28
61-70	0.53	231-240	1.27
71-80	0.63	241-250	1.25
81-90	0.73	251-260	1.22
91-100	0.81	261-270	1.19
101-110	0.89	271-280	1.15
111-120	0.96	281-290	1.10
121-130	1.03	291-300	1.04
131-140	1.08	301-310	0.98
141-150	1.13	311-320	0.91
151-160	1.18	321-330	0.83
161-170	1.21	331-340	0.75
171-180	1.24	341-350	0.66
181-190	1.26	351-360	0.56
191-200	1.28		

40. The crop coefficients given in the following table are recommended for estimation of water requirement of nursery planted seasonal (Suru) sugarcane.

The following 2nd order polynomial function expressed as ratio of days after planting to total crop period (t/T) is recommended for estimating crop coefficient values (K_c) of nursery planted sugarcane grown under semiarid conditions.

$$K_{c_t} = -4.695 \left(\frac{t}{T} \right)^2 + 5.566 \left(\frac{t}{T} \right) - 0.360$$

Where,

K_{c_t} = crop coefficient on t^{th} day ;

t = number of days since planting ;

T = total crop period

Social Sciences

41. Considering the performance of *Phule Samarth* variety of onion in terms of per hectare production and net returns, It is recommended that, efforts may be made by the state Agriculture Department to popularize this variety among the farmers.
42. The preparatory tillage, nutrient management, protective irrigation, variety and plant protection contributed 30, 25, 23, 16 and 6 per cent, respectively to the yield of red gram. It is therefore, recommended that farmers shall adopt these technologies to the higher extent to get higher returns.
43. The farmers in Maharashtra earned gross returns of Rs 100787 and Rs 31681 crores, whereas, net benefit of Rs 11059 and Rs 2215 crores from university released Co-86032 and CoM-265 varieties during 22 years (1995-96 to 2016-17) and 9 years (2008-09 to 2016-17), respectively. Further, it is revealed that an investment of a rupee in sugarcane research and extension generated income of ` 31 with 41 percent Internal Rate of Returns (IRR), respectively. Therefore, it is recommended that the substantial funds shall be provided for research and extension in sugarcane.
44. In kharif cotton, under drip irrigation, there are 29, 29 and 14 per cent saving in water, electricity and labour units, respectively and 27 per cent increase in productivity as compared to surface irrigation. Therefore, it is recommended that the cotton cultivators be encouraged to adopt drip irrigation.
45. Since, 1996-97 to 2015-16, the increase in Minimum Support Prices (MSPs) of Bajra, Paddy and Wheat were less than the increase in inputs prices by 23, 27 and 48 per cent, respectively. Therefore, it is recommended that there is need to maintain the parity between Minimum Support Prices (MSPs) and input prices in order to safeguard the interest of cereal producers of Maharashtra.
46. For restructuring the breeding and feeding strategies in order to maintain the high-productive animals and proper selection of Deccani sheep, it is recommended to use Brody model with the following parameters.
For male, $W_t = 31.12 [1 - 0.91 e^{(-0.21 t)}]$
For female, $W_t = 25.34 [1 - 0.87 e^{(-0.27 t)}]$
 W_t = is the body weight at age t (month)
47. Area, production and productivity of *kharif* groundnut has been drastically declined in all the districts of Maharashtra. The area under *kharif* groundnut has shifted towards soybean due to its higher minimum support price. Hence, it is recommended to policy makers to increase the minimum support price of groundnut

Seed Production Programme

Seed Production	University Farm	- 7294 q
	Farmers Participatory	- 8040 q
	Pulses Seed Hub	- 2648 q
	Total	- 17982 q
Planting Material (No. of grafts)	11.05 Lakhs	
Biopesticides	128 q & 87 Lit.	
Biofertilizers	41 Mt & 5500 lit	



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-eco situations, 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 conduct extension education activities *viz.*, capacity development of all stakeholders including farmers in different agro-eco situations.
- 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.
- 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.

In addition to this, Directorate performs activities

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),

Krishi Vigyan Kendras (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. Krishi Vigyan Kendras (KVKs)

There are seventeen KVKs in the jurisdiction of the University. Out of the total KVKs 12 KVKs are operated by the NGOs and 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

1. To organize need-based training in agriculture and allied enterprises to practicing farmers, farm women, rural youth and extension functionaries;
2. To conduct front line demonstrations on farmers' fields on various crop production technologies;
3. To conduct on farm trials/adaptive trials in agriculture and allied enterprises based on location specific problems.
4. To organize different extension activities to disseminate the technologies.

2. 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.

3. Press, Publicity and Publications Communication Centre

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, 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.

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.



4.1 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 stake holders 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.

1. To build up required confidence among farmers and to strengthen linkage between the University and the farmers.
2. To provide diagnostic and advisory services such as soil and water testing, plant and livestock health diagnosis and advisory services accordingly.
3. 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.
4. To provide an overview of improved technology through published literature and other communication materials.
5. To overcome technology dissemination loss by providing direct access of farmers to improved expertise as well as technological products.
6. To provide an opportunity to University to have resource generation through sale of their technologies.
7. Participation in state festivals and exhibitions.

4.2 Diagnostic and Advisory service

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

4.3 Help line Service/Kisan Call Centre

Advising farmers for problems through helpline service 02426-243861 and Kisan Call Centre (Toll free 1800 180 1551)

ATIC is also connected with farmers for on-line solutions.

5. Agricultural College Development Block

The 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

6. Involvement of Scientists in Extension Activities

The Directorate of Extension Education is involved in organizing various extension activities for the farming community viz., farmers rally, front line demonstrations, group discussion, agricultural exhibition, reply of farmers queries, popular articles, social media participation. In all



the events university scientists are actively participating for overall agricultural development.

7. Zonal Agril. Research and Extension

Advisory Committee meetings

The university is organizing Zonal Agril. Research and Extension Advisory Committee meetings for kharif, rabi and summer season. The main purpose of these meetings is to transfer the university released technologies / recommendations / varieties obtained through the Joint AGRESCO meeting to the line department for the farming community.

8. Mechanisms for Research-Extension

Linkage

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

9. Extension Outreach Programmes

Farmer FIRST Scheme

Farmer FIRST project under *Rashtriya Krishi Vikas Yojana (RKVY)*: The project entitled Farmer FIRST with budget outlay of Rs 5.91 crore is an MPKV initiative to move beyond the production and productivity and to privilege the complex, diverse and risk prone realities of majority of the farmers through enhancing farmers-scientists contact with multi stakeholder's participation. The various technology components include Sugarcane+ Vegetable Intercrops (1500), Cotton based production technology (900), Groundnut based production technology (300), Gram based production technology (300), Bacterial Blight disease management in pomegranate (600),

Cigatoka disease management in Banana (300), Onion set planting (*Chingali Kanda-900*), Mole Plough technology for ill drained soil (450) and Animal Component (Feed support, Health care and mineral supplement, Artificial insemination in cows for upgrading, Supply of fodder grasses sets, Backyard Poultry-Supply of chicks and feeding (300). Thus, through this project University will reach 5550 farmer participants and there will be horizontal expansion of the farmers in the region.

• 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.

• Co-ordination with other Departments

The university is organizing various extension activities for the farming community and other stakeholders through the Directorate of Extension Education. The university scientists involved in effective outreach of various technologies through Monthly District Workshops, Farm and Home visits. The other research centres in co-ordination with other line department also involved in extending the developed technologies to the farmer participants and other stakeholders.



Major Extension Activities (2018-19)

- Retrospection – 2018:** A programme on Retrospection – 2018 was organized on 03/01/2019 at Central Campus, Rahuri. Vice-Chancellor Dr. K.P. Viswanatha presided over the function, while Shri. Sudhir Mungantiwar, Hon'ble Minister of Finance & Planning and Forests departments was present as chief guest. On this occasion the reports regarding extension education, education, research, agril. engineering, lower agril. education, administration, development works and accounts conducted during the year-2018 were presented by Dr. K.D. Kokate, Director of Extension Education, Dr. A.L. Pharande, Dean (F/A), Dr. S.R. Gadakh, Director of Research, Dr. D. D. Pawar, Registrar, Shri Vijay Kote, Comptroller, Shri Milind Dhoke, University Engineer, MPKV, Rahuri respectively. An exhibition depicting the significant activities of the university related to education, research and various extension activities carried out by College Extension Blocks, Research centers was organized. The university publication Krishi Darshani-2019 was released and innovative Phule Krishidarshani mobile app was launched at the auspicious hands of dignitaries. All HODs, Professors, staff, students and members of Farmers- Scientists Forum were present for the programme.
- The Zonal Agricultural Research and Extension Advisory Committee (ZAREAC) meeting for kharif-2018 was organized by MPKV, Rahuri in co-ordination with the State Department of Agriculture and ATMA, Nasik at the Yashwantrao Chavan Maharashtra Open University (YCMOU), Nasik. on 07th June, 2018 for Nashik, Pune and Kolhapur divisions. Vice Chancellor Dr. K. P. Viswanatha presided over the meeting. Dr. E. Wayunandan, Vice Chancellor, YCMOU, Nasik, Shri. Sacchindra Pratap Singh, Commissioner (Agriculture), M. S., Directors Dr. K. D. Kokate, Dr. S. R. Gadakh, Shri. Vijaykumar Ghawate, Dr. V. S. Shirke were present on the dais. Dr. K.D. Kokate, Director of Extension Education, MPKV, Rahuri made brief presentation and guided the participants, While, Director of Research Dr. S. R. Gadakh briefed about various recommendations and released varieties. Heads of Departments, Joint Directors of Agriculture Dr. Zhende, Mr. Sapre, District Supt. Agril. Officers, PD, ATMA, Associate Directors of Research, Crop Specialists, Heads of KVKs, Incharge, RECs and DECS, scientists and officers of Agriculture Department participated in the discussion. In all 185 participants including SDAOs, TAOs and Programme Co-ordinators from KVKs and Scientists from university attended the said meeting.
- The Zonal Agricultural Research and Extension Advisory Committee meeting for Rabi and Summer 2018-19 was organized on October 15, 2018 at the Mahatma Phule Krishi Vidyapeeth, Rahuri in collaboration with Department of Agriculture, M.S. Vice Chancellor Dr. K. P. Viswanatha presided over the meeting. Shri. Sacchindra Pratapsinh, Commissioner, Agriculture, M. S., Dr. K. D. Kokate, Director, Extension Education, Dr. S. R. Gadakh, Director of Research, Dr. P. N. Pogle, Director, Horticulture, M.S., Joint Directors of Agriculture Shri. Dilip Zhende, Shri. Dashrath Tambale, Shri. Ramesh Bhadane, Associate Deans Dr. S. B. Kharbade, Dr. G. G. Khot, Dr. R. R. Suryavanshi and Associate Director of Research Dr. V. D. Shende were present on the dais. Dr. K. D. Kokate, Director, Extension Education gave the introductory remarks and made a presentation on extension activities. Dr. V. D. Shende, ADR presented the new crop varieties



and recommendations released by the university. Dr. D. S Pokharkar, Head, Department of Entomology gave a presentation on Integrated management of white grub. Associate Directors of Research, Crop Specialists, scientists, KVKs, Regional and District Extension Centres and officers of Department of Agriculture participated in the discussions.

- ICAR-ATARI, Pune in collaboration with MPKV, Rahuri organized Annual Zonal Workshop of KVKs of Maharashtra, Gujarat and Goa during 5-7 May, 2018 at MPKV, Rahuri. Dr. A.K. Singh, DDG (Agril Extension), ICAR, New Delhi; Dr. K.P. Viswanatha, Vice Chancellor, MPKV, Rahuri and Dr. V.P. Chahal, ADG (Agril Extension), ICAR, New Delhi inaugurated the workshop. In this workshop, 79 KVKs (47 from Maharashtra, 30 from Gujarat and 2 from Goa) participated and presented their progress reports for 2017-18 and action plan for 2018-19. For technological backstopping, 8 ICAR institutes (NIASM, Baramati; NRCP, Solapur; NRCG, Pune; DFR, Pune; CICR, Nagpur; CCRI, Nagpur; DOGR, Pune and CRIDA, Hyderabad) and Dean and Director of Research of MPKV, Rahuri shared their usable technologies to make fast technology flow to the farmers. Directors of Extension Education of 6 State Agricultural Universities also attended the programme.
- Mahatma Phule Krishi Vidyapeeth, Rahuri and ICAR-ATARI, Zone VIII, Pune jointly organized an Action Plan Workshop of KVKs for western Maharashtra during 7-8 March, 2019 at MPKV, Rahuri. The workshop was inaugurated by Dr. K.D. Kokate, Director of Extension Education, MPKV, Rahuri. The university scientists guided the participants. During the workshop the Programme Co-ordinators and Subject Matter Specialists of respective KVKs presented their action plan and it was finalized in consultation with university experts. In all 159 Programme Co-ordinators, SMSs and other staff of KVKs participated in the programme.
- The XVI Extension Education Council (EEC) meeting was organized on 6 February, 2019 under the Chairmanship of Vice Chancellor Dr. K. P. Viswanatha at MPKV, Rahuri. Hon'ble Members of EEC Former Directors, Zonal Project Directorates Dr. S. Prabhukumar and Dr. A. M. Narula, Progressive farmers Shri. Narendra Patil and Shri. Rajaram Chaudhary gave valuable suggestions during the meeting. Dr. K.D. Kokate, Director of Extension Education, Dr. S. R. Gadakh, Director of Research, Dr. D.D. Pawar, Registrar, Shri Vijay Kote, Comptroller, MPKV, Rahuri were present for the meeting.
- The massive rabi crop technology demonstrations on rabi sorghum, chickpea, wheat and different vegetables have been organized at the Mahatma Phule Krishi Vidyapeeth, Rahuri in collaboration with the State Department of Agriculture on February 01, 2019. Dr. K.V. Prabhu, Chairman PPV&FRA, New Delhi was the chief guest for the function organized on this occasion. Vice Chancellor Dr. K. P. Viswanatha presided over the function. Dr. Ashok Kumar, Principal Scientist, ICRISAT, Dr. B. R. Patil, Shri Pankaj Mahale, Mrs. Sunita Patil Members, Executive Council, Dr. S. R. Gadakh, Director of Research and Shri. Pandit Lonare, District Supdt. Agriculture Officer also addressed the farmers. Dr. A. L. Pharande, Dean, F/A, Dr. D. D. Pawar, Registrar were present for the programme. The university crop experts Dr. Nandkumar Bhute, Dr. S.K. Kambale guided the farmers. Farmers visited the various rabi crop demonstrations and agriculture exhibition organized on this occasion.



- A Farmers rally on pink bollworm of cotton was organized by the university in co-ordination with State Department of Agriculture and ATMA, Ahmednagar on June 8, 2018. Shri. Rahul Dwivedi, District Collector, Ahmednagar was the chief guest on this occasion. Vice Chancellor Dr. K. P. Viswanatha presided over the function. Dr. K. D. Kokate, Director, Extension Education, Dr. S. R. Gadakh, Director of Research, Shri. Dadasaheb Sapre, Joint Director of Agriculture, Shri. Pandit Lonare, District Supt. Agril. Officer, Ahmednagar, Shri. Bhausaheb Barhate, PD, ATMA, Ahmednagar were present on this occasion. A folder on control of pink bollworm of cotton was released during the programme. The university scientists guided the farmers.

Capacity Building Programmes for Farmers / Extension Functionaries and others

- A training programme for kharif-2018 to farmers group co-ordinators was organized in the university in co-ordination with State Department of Agriculture and ATMA, Ahmednagar on June 18, 2018 under *Unnat Sheti Samrudha Shetkari Abhiyan*. Dr. S. R. Gadakh, Director of Research presided over the programme. Around 550 farmers group co-ordinators were trained by university scientists on bajra, red gram, green gram, urid, soyabean, paddy, maize and lucerne grass during the one day programme.
- A two day workshop on e-content development was organized by the Department of Extension Education in co-ordination with the Knowledge Bridge, Ahmednagar at MPKV, Rahuri during August 1-2, 2018. Dr. K. D. Kokate, Director, Extension Education presided over the function. Dr. S. R. Gadakh, Director of Research, Dr. S. A. Ranpise, Associate Dean, Lower Agril. Education,
- Dr. M. C. Ahire, Head, Department of Extension Education and Master Trainers Mr. Bhushan Kulkarni and Mr. Eknath Kore were present on this occasion. Mr. Kulkarni gave a brief orientation of the workshop. The concluding programme was presided by Vice Chancellor Dr. K. P. Viswanatha in presence of Dr. A. L. Pharande, Dean, Faculty of Agriculture and Dr. D. D. Pawar, Registrar, MPKV, Rahuri. More than 200 trainees participated in the workshop.
- A training programme on Marketing skill development for bio fertilizers and bio pesticides for fresh agricultural graduate students was organized during July 24-25, 2018 by the university in coordination with the Agricultural Microorganism Manufacturing Association (AMMA), Nasik. The programme was inaugurated by Dr. K. D. Kokate, Director of Extension Education, MPKV, Rahuri. On this occasion Dr. S. R. Gadakh, Director of Research, Dr. D. R. Wakhchaure, President, AMMA, Dr. C. D. Deokar, Head, Department of Plant Pathology and Agril. Microbiology and other university scientists guided the participants. Dr. R. S. Patil, Associate Dean, Post Graduate Institute, Dr. V. D. Shende, Associate Director of Research, Heads of Departments, university scientists and trainees were present during the programme.
- A training programme on Tractor and tractor drawn improved implements was organized during July 4-5, 2018 by the All India Coordinated Project on Agricultural Implements and Machinery, MPKV, Rahuri in collaboration with M/S Kubota India Pvt. Ltd. Dr. D. D. Pawar, Registrar and Associate Dean, Dr ASCAE & T inaugurated the programme. Dr. Bastewad and other university scientists guided the farmers on this occasion.



- A three day capacity development programme on Leadership Development and Team Building Skills was organized by the Extension Education Section in coordination with the Extension Education Institute (EEI), Anand (Gujarat) during October 29-31, 2018 at the College of Agriculture, Pune. Dr. A. L. Pharande, Dean, Faculty of Agriculture and Director of Instruction, MPKV, Rahuri inaugurated the programme. Dr. P. N. Rasal, Associate Dean, Dr. S. D. Masalkar, Principal, College of Horticulture, Dr. Mahesh Patel, Course Coordinator, EEI, Anand, Dr. B. D. Patel, Associate Coordinator, EEI, Anand and Dr. S. B. Shinde, Professor of Agril. Extension were present for the inaugural programme. The concluding programme was organized in presence of Dr. Lakhan Singh, Director, ICAR-ATARI, Pune.
- An Induction Training programme was organized at MPKV, Rahuri by the Department of Extension Education for the newly recruited staff. Vice Chancellor Dr. K. P. Viswanatha inaugurated the programme. Dr. K. D. Kokate, Director, Extension Education, Dr. A. L. Pharande, Dean, Faculty of Agriculture, Dr. S. R. Gadakh, Director of Research, Dr. P. A. Turbatmath, Associate Dean, PGI, Dr. M. C. Ahire, Head, Department of Extension Education, Dr. V. D. Shende, Associate Director of Research were present on this occasion. About 100 staff members participated in the two day programme.
- A four day skill development training programme on Mini Dal Mill Venture was organized by the Krishi Vigyan Kendra, Mohol in collaboration with ATMA, Solapur. Shri. Vijay Barbade, Dy. PD, ATMA addressed on the schemes of ATMA for the farmers. Shri. Dinesh Kshirsagar, SMS, Food Science and Technology gave the introductory remarks and also worked as a coordinator for this training programme. The SMS of KVK, Mohol Shri. Ajay Dighe, Mrs. Kajal Jadhav also guided the trainees. The training comprised of skill development, demonstration and visit to successful Dal Mill entrepreneurs. Farmers and farm women of Self Help Groups participated in this training programme.
- A massive tree plantation programme *Vanmohotsav* -2018 and *Krishidin* was organized on July 02, 2018 at the Mahatma Phule Krishi Vidyapeeth, Rahuri to celebrate the birth anniversary of former Chief Minister of Maharashtra late Vasant Rao Naik. Dr. K. P. Viswanatha, Vice Chancellor, MPKV, Rahuri presided over the function. Shri. Adarsha Reddy, District Conservator of Forests, Ahmednagar was the chief guest. Dr. K. D. Kokate, Director, Extension Education, Dr. S. R. Gadakh, Director of Research, Mrs. Kirti Jamdhade, Divisional Forest Officer, Shri. Anil Dound, Tahsildar, Rahuri, Registrar Dr. D. D. Pawar, Comptroller Shri. Vijay Kote, Shri. Pandit Lonare, District Superintendent Agricultural Officer, Ahmednagar were present for the programme. After the programme, the university staff and students planted around 23,655 trees at the central campus. These include neem, jamun, mango, bamboo, karanj, aonla, hirda, behada, kagzi lime and various medicinal plants. A target of 1,06,182 trees for planting this year has been set by the university in its ten district jurisdiction.
- A pre planning meeting for organizing a workshop on Doubling of Farmers Income (DFI) was organized at College of Agriculture, Pune on August 1, 2018. Vice Chancellor and Chairman, DFI Committee Dr. K. P. Viswanatha presided over the meeting. Shri. Sacchindra Pratap Singh, Commissioner, Agriculture, M. S., Mr. Umeshchandra Sarangi, former Principle



Secretary, Agriculture, Govt. of Maharashtra, Dr. V. M. Bhale, Vice Chancellor, Dr. PDKV, Akola, Dr. Ashok Dhawan, Vice Chancellor, VNMKV, Parbhani, Dr. M. C. Varshenya, Former Vice Chancellor, AAU, Anand, Shri. Kantilal Umap, Commissioner, Animal Husbandry, Dr. K. D. Kokate, Director, Extension Education, Dr. S. R. Gadakh, Director of Research, Mr. Abhay Deshpande, Dy. Commissioner, Fishery, Dr. N. P. Singh, Director, NIASM, Baramati, Dr. Jyotsna Sharma, Director, NRC-P, Solapur, Dr. K. V. Prasad, Director, Floriculture, Pune, Dr. Lakhan Singh, Director, ATARI, Pune took part in the discussion. During this workshop final committees were drafted and planning for the workshop was discussed. University scientists and officials of State Department of Agriculture attended the meeting.

- A field visit to various demonstration plots under the Rashtriya Krishi Vikas Yojana (RKVY) Farmer FIRST project was organized by the Regional Extension Centre (REC), Dhule in Baldane and Bhadwad villages of Nandurbar district on August 21, 2018. Dr. K. D. Kokate, Director, Extension Education visited the integrated cotton crop demonstrations which have been implemented on 100 acre area. The SMS of REC demonstrated the use of pheromone traps, spray of neem extract and control measures for pink bollworm on cotton. Dr. M. S. Mahajan, Extension Agronomist, REC, Dhule, SMS Prof. Shridhar Desale, Prof. Bhalchandra Mhaske, Dr. Pankaj Patil (KVK, Dhule) and Dr. Rajendra Dahatonde (KVK, Nandurbar) guided the farmers on this occasion. Large number of farmers and farm women were present for the field visit.
- The Rural Programme Advisory Committee meeting of All India Radio, Pune was organized at College

of Agriculture, Pune on June 14, 2018. Dr. P. N. Rasal, Associate Dean of the college presided over the meeting. Shri. Gopal Oute, Deputy Director, Shri. Ravindra Ranjekar, Assistant Director, Shri. Anilkumar Pingle, Programme Officer of AIR, Pune, Dr. V. S. Supe, Associate Director of Research, Ganeshkhind, Dr. S. B. Shinde, Professor of Agril. Extensions were present for the meeting. Officers of various departments, scientists and progressive farmer members took part in the discussions.

- The live webcast of Hon'ble Prime Minister's speech was organized at university KVKs on July 12, 2018. During his speech Hon'ble Prime Minister Shri. Narendra Modi interacted with members of Self Help Groups (SHGs) through live webcasting programme. He reviewed the progress of SHGs, their significant activities and products. Large number of farmers, SHG women members etc. were participated in the event.
- Live Webcasting of interface with farmers by Hon'ble Prime Minister Shri. Narendra Modi was arranged at university KVKs on 20th June, 2018. The programme was organized at KVK, Mohol, MF, Jalgaon, Dhule and Borgaon. In all large number of farmers were present for the same.

Technology Weeks Celebrated

- The Agro Technology Fest 2018 was celebrated at College of Agriculture, Pune during September 18-21, 2018. The Agro Technology Fest was inaugurated at the auspicious hands of Shri. Girish Bapat, Hon'ble Minister of Food and Civil Supplies and Consumer Protection, Food and Drugs Administration, Parliamentary Affairs, MS and Guardian Minister, Pune. Shri. Sanjay Dhotre, Hon'ble Vice Chairman, MCAER, Pune, Smt. Mukta Tilka, Hon'ble Mayor, Pune Municipal



Corporation were visited the event. The function was chaired by Dr. Dr. K.P. Viswanatha, Vice Chancellor, MPKV, Rahuri. This event comprised of Live Crop Demonstrations of 71 crops including vegetable crops on college farm. An Agriculture Exhibition and Farmers Mela and Shivar Pheri and interactions were organized for farmers. Dr. K. D. Kokate, Director of Extension Education, Dr. S.R. Gadakh, Director of Research, Dr. A.L. Pharande, Dean (F/A), MPKV, Rahuri, Shri. Vijaykumar Ingale, Director, Inputs and Quality Control, MS and other dignitaries were present on this occasion. Large number of farmers participated in the event.

- An Agro Technology Day and Exhibition was organized on October 7, 2018 at College of Agriculture, Dhule in coordination with Department of Agriculture, ATMA and Krishi Vigyan Kendra, Dhule to celebrate the Golden Jubilee of the university. Vice Chancellor Dr. K. P. Viswanatha presided over the function. Prof. Sharad Patil, Former MLA, Dr. Pankajkumar Mahale, Executive Council member, Dr. K. D. Kokate, Director, Extension Education, Dr. S. R. Gadakh, Director of Research, Dr. A. M. Musmade, Associate Dean, AC, Dhule, Shri. Vivek Sonawane, District Supd. Agril. Officer, Shri. Narendra Patil, Extension Education Council member, Adv. Prakash Patil were the dignitaries present for the same. The exhibition was inaugurated at the hands of Vice Chancellor Dr. Viswanatha. Various publications were released during the function.
- A Field Day and Farmers Training was organized on October 23, 2018 at the Zonal Agriculture Research Station, Igatpuri in coordination with Department of Agriculture and ATMA, Nasik on the occasion of the Golden Jubilee celebrations of MPKV, Rahuri. Dr. K. D. Kokate, Director, Extension Education,

Dr. S. R. Gadakh, Director of Research, Shri. Sanjeev Padwal, District Supd. Agril. Officer, Dr. V. D. Shende, Associate Director of Research, MPKV, Rahuri, Dr. D. V. Kusalkar, Associate Director of Research, ZARS, Igatpuri

Kisan Aadhar Sammelan-2018 organized at MPKV, Rahuri

- A mega event of Kisan Aadhar Sammelan-2018 with the moto on Doubling of farmers income by 2022 was organized at the Mahatma Phule Krishi Vidyapeeth, Rahuri during October 15-18, 2018 in collaboration with Department of Agriculture, M.S. and Agriculture Technology Management Agency (ATMA), Ahmednagar. The event comprised of Live Crop Demonstrations, Agriculture and Animal Exhibition and Farmers-Scientists Interactions. The Kisan Aadhar Sammelan-2018 was inaugurated at the auspicious hands of Shri. Chandrakant (Dada) Patil, Hon'ble Minister of Revenue, Relief and Rehabilitation and Public Works (Excluding Public Enterprises), Agriculture and Horticulture, M.S. and Pro Chancellor, MPKV, Rahuri on 15th October, 2018. Prof. Shri. Ram Shinde, Hon'ble Minister of Water Conservation, Protocol, VJ, NT, SBC, OBC Welfare, M.S. and Guardian Minister, Ahmednagar district presided over the function. Shri. Sanjay Dhotre, Hon'ble Member of Parliament and Vice Chairman, Maharashtra Council of Agriculture Education and Research (MCAER), Pune and Mrs. Shalinitai Vikhe Patil, Hon'ble President, Zilla Parishad, Ahmednagar were the guests of honour. Vice Chancellor Dr. K. P. Viswanatha, Shri. Dilip Gandhi, M.P., Ahmednagar, Shri. Shivajirao Kardile, M.L.A., Shri. Sacchindra Pratapsinh, Commissioner, Agriculture, M.S., Shri. Chandrashekhar Kadam, Vice President, Shri. Saibaba Sansthan, Shirdi, Shri. Rahul Dwivedi,



District Collector, Ahmednagar and university Executive Council members Dr. Bhaskar Patil, Mrs. Sunita Patil, Shri. Nathaji Chougule, Dr. Pankajkumar Mahale and Dr. Vijayprakash Thombre were present on the dias. Former Vice Chancellors Dr. S. S. Magar, Dr. K. E. Lawande, Directors Dr. K. D. Kokate, Dr. A. L. Pharande, Dr. S. R. Gadakh, Registrar Dr. Dilip Pawar, Comptroller Shri. Vijay Kote, University Engineer Shri. Milind Dhoke, District Supd. Agril. Officer Shri. Pandit Lonare, Associate Director of Research Dr. V. D. Shende, experts, Heads of Departments, scientists and farmers were present on this occasion. While, the Kisan Aadhar Sammelan-2018 concluded on the auspicious day of Dasera. Vice Chancellor Dr. K. P. Viswanatha presided over the function. Directors Dr. K. D. Kokate, Dr. A. L. Pharande, Dr. S. R. Gadakh, Associate Dean, PGI Dr. P. A. Turbatmath were present on the dias.

Farmers-Scientists Interactions

- Farmers-Scientists interactions were organized during the Kisan Aadhar Sammelan-2018. The major themes included Farmers Producers Company and Fruit and Vegetable processing, Watershed Development and Management, Water Resources and Irrigation Management, Agriculture Economics and Agriculture Price Fixation, Advanced Climatesmart Agricultural Technologies, Mechanization and Animal, Fishery Management and Protected Floriculture and Vegetable Cultivation. Experts and scientists interacted with the farmers. Former Vice Chancellors Dr. S. S. Magar, Dr. R. B. Deshmukh, Dr. M. C. Varshneya, Dr. K. E. Lawande, Dr. V. M. Mayande, Dr. K. P. Gore, Dr. T. A. More presided over these interactions. Eminent speakers and experts like Shri. Popatrao Pawar, Shri. Vilas Shinde, Shri. Vijayanna Borade,

Shri. Popatrao Sankpal, Shri. Bharat Patil, Shri. Dnyaneshwar Bodkhe, Shri. Rajaram Chaudhary guided the farmers during the interactions.

Live Crop Demonstrations

- Crop demonstrations on over 100 acres were organized for the benefit of farmers during the Kisan Aadhar Sammelan-2018. It included demonstrations on cereals, pulses, oilseeds, forage, vegetables, flowers and cash crops. In all demonstrations of 45 crops and 131 varieties were planted in the cafeteria. In addition demonstrations on advanced irrigation methods, mole plough, soil testing, vermiculture, cultivation of dragon fruit, vegetable and flower cultivation in shadenet, apiculture, integrated pest management, biocontrol, drone spraying were also organized on this occasion. Major attraction of this event was the Integrated Farming System model on farmers field of Shri. Chandrakant Adsure and Shri. Uttam Adsure.

Agriculture Exhibition

- An Agriculture Exhibition was organized during the Kisan Aadhar Sammelan-2018. It included 124 stalls. Both the Government organizations and private companies showcased their technologies in the exhibition. This included stalls on agriculture inputs, improved agriculture implements, processing, subsidiary occupations, mushroom production, medicinal and aromatic plants, publications etc. The animal component included indigeneous and improved breeds of cattle, goat, sheep, poultry, dogs and horses. The Government schemes of Department of Agriculture, ATMA, Zilla Parishad and all technologies were exhibited in the event. One of the major attractions of the exhibition was the showcasing of products from demonstrations and IFS model through the ICAR Farmers FIRST programme where the farmers and



farm women gave information to the visitors.

- The World Soil Day was observed in the jurisdiction of MPKV, Rahuri on December 05, 2018. The KVK,s, RECs and DECs were 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 2018.
- The Monthly District Workshops were jointly organized by the MPKV, Rahuri and Dept. of Agriculture M.S. in the jurisdiction of MPKV, Rahuri 2018-19. The university scientists guided the officials from the line department. The field visits were also organized on the demonstration farms.
- 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.).
- The Agricultural Mechanization Day was observed on February 17, 2018 by KVK, Dhule, Borgaon, Satara, Mamurabad Farm, Jalgaon and Mohol, Solapur. On this occasion experts guided the farmer participants on various aspects of agricultural mechanization. The large number of farmers participated in the programme.
- The Scientific Advisory Committee (SAC) meeting was held at Krishi Vigyan Kendra, Dhule and Jalgaon on March 13 & 14, 2019 respectively. The meeting was organized to review the progress made by KVK and their future action plan. The SAC meeting was chaired by Dr. K.D. Kokate, Director of Extension Education, MPKV, Rahuri and members of SAC participated in the meeting and guided the KVK staff for effective implementation of the various activities for the farming community.
- The Scientific Advisory Committee (SAC) meeting was held at Krishi Vigyan Kendra, Mohol on March 20, 2019. The meeting was organized to review the progress made by KVK and their future action plan. The SAC meeting was chaired by Dr. K.D. Kokate, Director of Extension Education, MPKV, Rahuri. Director ICAR- ATARI, Pune Dr. Lakhan Singh and members of SAC participated in the meeting and guided the KVK staff for effective implementation of the various activities for the farming community.
- **Golden Jubilee Year and University Foundation Day Celebration:** A programme on Golden Jubilee Year and University Foundation Day Celebration was organized on March 29, 2019 at Central Campus, Rahuri. Vice-Chancellor Dr. K.P. Viswanatha presided over the function, while Prof. (Dr.) A.K. Misra, Hon'ble Chairman, ASRB, New Delhi was present as chief guest. On this occasion Former Vice Chancellors of MPKV, Rahuri, Dr. BSKKV, Dapoli, Dr. VNMAU, Parbhani who made their valuable contribution for this university were felicitated by the auspicious hands of dignitaries. Also, Former Directors of Research, Directors of Extension Education, Deans, F/A, Heads of Department, University Scheme In charges were also honoured for their remarkable contribution towards this university. An exhibition depicting the significant activities of the university related to education, research and various extension activities carried out was organized. The university publication Souvenir on 50 Years Journey of MPKV was released at the auspicious hands of dignitaries.



All HODs, Professors, staff, students and members of Farmers- Scientists Forum were present for the programme. On the same line, to celebrate Golden Jubilee Year, various programmes were also organized at College of Agriculture, Dhule, College of Agriculture, Kolhapur and ARS, Kasbe Digraj.

Activities under ICAR Farmer FIRST programme

- The review meeting of Farmer FIRST Programme being implemented through RKVY and ICAR was organized on February 20, 2019. The meeting was chaired by Dr. K.D. Kokate, Director of Extension Education, MPKV, Rahuri. In all 11 implementing centers participated and presented their achievements through implementation of the said project for farming community and other stakeholders.
- A training programme on Bajra and Red Gram Production Technology under ICAR Farmer FIRST programme was organized on June 26, 2018 at the central campus. Dr. K. D. Kokate, Director, Extension Education inaugurated the training programme. The university scientists guided the participants pertaining to bajra and red gram production technology. About 50 farmers participated in the training programme.
- An off campus training programme on Dairy Management and Fishery was organized at *Chinchvihire* village by the university under the ICAR Farmer FIRST programme on June 19, 2018. The experts guided the participants and answered the farmers queries. Shri. M. R. Thokle, Taluka Agril. Officer, Rahuri, Shri. Namdev Rokade, Technical Officer, Pune, Shri. Raibhan Gaikwad, Agril. Asstt. and farmers were present on this occasion. After the training programme demo on fish harvesting in farmers farm ponds was organized in Chinchvihire and Kangar villages. About 45 farmers participated in the training programme.
- An off campus training programme on Rabi Sorghum Production Technology was organized on October 25, 2018 at Chinchvihire village under the ICAR Farmer FIRST programme. Dr. K. D. Kokate, Director of Extension Education inaugurated the programme. Dr. U. D. Chavan, Head, Department of Food Science and Technology, Dr. P. B. Kharde, PI, ICAR FFP, sorghum scientists Dr. S. K. Kamble, Dr. U. S. Kadam, Prof. S. V. Nirmal, progressive farmers Shri. Bhaskar Warghude, Shri. Baban Pathare were present on this occasion. About 70 sorghum growers and farm women attended the one day training programme.
- An off campus training programme on Chickpea Production Technology was organized on November 2, 2018 at Kangar village under the ICAR Farmer FIRST programme. Progressive farmer Shri. Bhaskar Warghude presided over the programme. The university scientists guided the farmers on various aspects of chickpea production. About 50 chickpea growers participated in the one day training programme.



Extension Education Activities (2018-19)

Sr. No.	Activity	Year 2018 -19	
		No. of activities	Participant farmers
1	Training Programmes organized		
i.	For farmers, farm women and youth	261	17365
ii.	For staff of development department (State Agril Dept and others)	59	3280
iii.	Interaction training programme between farmers and scientists	83	4326
2	Workshop, seminars participated		
i.	Monthly district workshops	84	2100
ii	Seminars/Conference	18	3856
iii	Zonal workshops (ZAREAC) Kharif, <i>Rabi</i> and Summer	2	487
iv.	Farmer Scientists Forum meetings organized	41	1025
3	Demonstrations and farm trials		
i.	Method demonstrations	756	2180
ii.	Result demonstrations / Assessment Trials (OFTs)	562	3250
iii.	Assessment Trials	1130	1130
iv.	Front line demonstrations & Adaptive trials	615	4320
4	Other extension education programmes		
i.	Meeting and group discussion (Kisan Goshti etc.)	225	7200
ii.	Field visit/shivar pheries	310	4230
iii.	Field days	42	2310
iv.	Farm and home visits	545	545
v.	Farmers rallies organized / participated	56	41342
vi.	Agril. Exhibition organized	12	Mass
vii.	Kisan Aadhar Sammelan - 2018	01	Mass
viii.	Agro Technology Fest - 2018 at AC, Pune	01	Mass
ix.	Agro Technology Day and Exhibition at AC, Dhule	01	Mass
x.	Field Day and Farmers Training at ZARS, Igatpuri	01	Mass



xi.	Agril Exhibition participated	31	Mass
xii.	Diagnostic team visit	289	975
xiii.	Surveillance team visit	92	343
xiv.	Lecture by univ. Scientists in diff. Extn. Programme organized by Agril. Dept. NGOs.	310	36292
5	No. of persons visited		
i.	Farmers		56478
ii.	Students		6545
iii.	Trainees		4526
iv.	Officers		1630
6	Extension Publications		
i	Folders	51	Mass
ii	Booklets	14	Mass
iii	Popular Articles	50	Mass
7	Media Coverage	56	Mass
i	Programme News	1628	Mass
ii	AIR Programme	310	Mass
iii	TV Talks (Doordarshan and Pvt. TV Channels)	51	Mass
iv	University Programmes	203	Mass
8	Other Extension Activities		
i.	Agro Advisories (Telephone, SMS etc.)	29620	29620
ii.	No. of water samples tested	445	445
iii.	No. of soil samples tested	1525	1525
iv.	No of Soil Health Card Issued	1525	1525
v.	No. of pests samples tested	325	325
vi.	No. of diseases samples tested	210	210
vii.	Help line/Telephone Calls attended	49640	49640



5. Major Events

April, 2018

1. 48th Annual Group Meeting of Sorghum organized



April 21-23, 2018. The 48th Annual Group Meeting of Sorghum was organized at MPKV, Rahuri in collaboration with ICAR-Indian Institute of Millets Research, Hyderabad. Dr. A. L. Pharande, Dean, Faculty of Agriculture presided over the inaugural function. Dr. I. S. Solanki, ADG (FFC), ICAR, New Delhi was the Chief Guest. Dr. Prabhakar, Project Coordinator of small millets, Bengaluru was the Guest of Honor. Dr. Vilas Tonapi, Director, IIMR, Hyderabad, Dr. J. V. Patil, Associate Dean, PGI, Dr. V. D. Shende, ADR and Dr. A. S. Jadhav, Senior Sorghum Breeder were present on the dais. Dr. Pharande in his presidential address said that the sorghum crop has a lot of scope under changing climatic scenario. Adaptability of this crop to moisture stress is significant. It is a rich source of protein and contains dietic fibre and minerals. Besides it is more responsive crop to additional inputs, he said. Dr. Solanki in his address said that efforts are required to make the sorghum crop more remunerative and for recapturing the lost area. Consumers demand have to be created for increasing its demand. Awareness on value addition of sorghum is required, he reiterated. Dr. Prabhakar said that there is a lot of scope for increasing

the millet area in North-East states. Varieties for food industry can also be given thought. Dr. Patil coined the millets as nutri cereals. He referred to the contribution of MPKV in sorghum research. Dr. Tonapi presented the report. Dr. H. S. Talwar anchored the programme, while, Dr. Jadhav expressed thanks. More than 150 scientists participated in the AGM. Senior retired sorghum and millet scientists were felicitated by Vice Chancellor Dr. K. P. Viswanatha in the concluding session.

2. State level Biosafety Capacity Building Workshop organized



April 13, 2018. A State level Biosafety Capacity Building Workshop was organized by MPKV, Rahuri in coordination with Biotech Consortium of India Limited (BCIL), New Delhi with support from UNEP/GEF supported Phase II Capacity Building Project on Biosafety, Ministry of Environment, Forest and Climate Change, GoI. Vice Chancellor Dr. K. P. Viswanatha presided over the inaugural function. Dr. Vibha Ahuja, Chief General Manager, BCIL, New Delhi, Dr. S. R. Gadakh, Director of Research, Dr. B. Dineshkumar, Deputy Director, NIN, Hyderabad, Dr. R. W. Bharud, Head, Department of Botany and Dr. A. S. Jadhav, Professor of Botany were present on the dais. Vice Chancellor Dr. Viswanatha in his address stated the developments in molecular biology, biotechnology, genetic engineering for crop improvement. He further said that biosafety measures are needed to be followed



while conducting trials. Strict guidelines are needed before testing or release of a variety. The scientists, students and farmers are required to be made aware of biosafety, he said. Dr. Ahuja in her introductory remarks thanked the university for organizing the workshop. Dr. Gadakh gave the welcome remarks. Dr. Pawan Kulwal anchored the programme. Dr. Bharud expressed thanks.

3. Bharat Ratna Dr. B. R. Ambedkar Jayanti celebrated



April 14, 2018. The Birth Anniversary of Bharat Ratna Dr. B. R. Ambedkar was celebrated in the university. Dr. Raosaheb Kasbe, noted Marathi writer and Educationist was the Chief Guest for the programme. Dr. K. D. Kokate, Director of Extension Education presided over the programme. In his speech Dr. Kasbe in his speech elaborated the situation before the rise of Dr. Ambedkar. He said that Dr. Ambedkar valued knowledge and wrote many books. He contributed for formulating the Indian constitution. He fought against the ill traditions of the society. He was of the opinion that women should be on par with men and thus gave them the voter rights. Dr. Kokate in his presidential address remembered the thoughts of Dr. Ambedkar for agriculture. Dr. Ambedkar felt that the country could only prosper if the farm, farmers and farm labourers were economically sound, he said. Dr. R. S. Patil, Associate Dean, PGI introduced the Chief Guest. Student Mr. Nilesh Adsule anchored the

programme, while, Prof. Sharad Patil proposed thanks. Heads of Departments Dr. S. A. Ranpise, Dr. R. W. Bharud, Dr. S. D. Gorantiwar, Shri. V. B. Jadhav, Dy. Registrar, Admn., staff and students were present on this occasion.

4. Mahatma Phule Jayanti celebrated



April 11, 2018. The Mahatma Phule Jayanti was celebrated in the university. Noted author Adv. Anant Khalekar was the chief guest on this occasion. Dr. K. D. Kokate, Director, Extension Education presided over the programme. In his address Adv. Khalekar said that Mahatma Phule established the *Satyashodhak Samaj* (Society of Seekers of Truth) to attain equal rights for the deprived masses. Jyotiba and Savitribai Phule worked for the women's education and felt that literacy in women needed to be increased for progress of the society. Jyotiba himself was a great writer and he preached his thoughts, views through his books. His work extended to many fields including eradication of untouchability and the caste system, women's emancipation and the reform of Hindu family life. Dr. Kokate in his presidential address said that Jyotiba advocated for making primary education compulsory in rural areas. Today women have taken up education and they have progressed in every sphere which is a great contribution of Mahatma Phule. He also worked for the welfare of farmers. The scientists and students need to keep the role model of Jyotiba for development of agriculture, he opined. Registrar Dr. D. D. Pawar

welcomed the dignitaries and introduced the chief guest. Dr. S. R. Gadakh, Director of Research, Dr. J. V. Patil, Associate Dean, PGI, Dr. R. M. Naik, Vice President, Students Council, staff and students were present on this occasion. Mr. Bukeshwar Godge anchored the programme, while, Prof. S. V. Patil, Student Welfare Officer expressed thanks.

May 2018

5. Agril. Minister Shri. Pandurang Fundkar passes away

May 31, 2018. The Hon'ble Minister of Agriculture, M. S. Shri. Pandurang alias Bhausaheb Fundkar passed away in Mumbai. He was 67 years old. He represented Akola parliamentary constituency three times. He was elected to the Maharashtra Vidhan Sabha from Khamgaon in 1978 and 1980. He was also the leader of the Opposition in the legislative council. He was sworn on July 8, 2016 as a Cabinet Minister in the Government. A *shoksabha* was organized in the university to pay tribute to him. Vice Chancellor Dr. K. P. Viswanatha, Directors, Officers, Heads of Departments, staff and students were present on this occasion.

6. Annual Zonal Workshop of KVKs of Zone-VIII organized



May 5-7, 2018. An Annual Zonal Workshop of KVKs of Zone-VIII, ATARI, Pune comprising of KVKs of Maharashtra, Gujarat and Goa states was

organized at MPKV Rahuri. Dr. K. P. Viswanatha, Vice Chancellor, MPKV, Rahuri presided over the inaugural function. The chief guest Dr. A. K. Singh, DDG (Agril. Extension), ICAR, New Delhi, Dr. V. P. Chahal, ADG (Agril. Extension), ICAR, New Delhi, Dr. Lakhan Singh, Director, ICAR-ATARI, Pune, Dr. S. Prabhukumar, Ex-Director, ICAR-ATARI, Bengaluru, Dr. K. D. Kokate, Director, Extension Education and Dr. S. R. Gadakh, Director of Research were present on the dias. In his presidential address Dr. Viswanatha said that KVK model is the best model for technology assessment and refinement. KVKs have a major role to play for doubling farmers' income in the next four years, he said. Enough farm technologies are available but we need to reach the unreached. He further stated that KVKs need to popularize the best suited Integrated Farming System (IFS) models for sustainable income to the farmers. He also stressed the need for diversification in agriculture.

In his chief guest address Dr. A. K. Singh, DDG (Agril. Extension), ICAR, New Delhi said that extension is dynamic in nature and a non-static activity. Doubling of farmers' income is the foremost challenge before the scientists and extension professionals, he said. He highlighted the water use efficiency, the soil health and its sustainability for crop productivity. Dr. Singh stated the vision, mission and mandates of KVK. He said that KVKs need to showcase the best of technologies in their crop cafeteria. Besides, the output, outcome and impact of various activities need to be done regularly. In his presentation, he highlighted the significant ICAR programmes like Farmers FIRST, ARYA, *Mera Gaon Mera Gaurav*, *KSHAMTA*, *NARI* and *VATICA*. Dr. Singh in his address discussed on district agriculture contingency plans to be developed by KVKs, mobile apps, regular uploading of KVK activities on KVK portal, Farmers Producer Organizations, convergence



of agencies and Green initiatives.

Dr. V. P. Chahal, ADG (Agril. Extension), ICAR, New Delhi addressed on future roadmap for KVKs. He said that KVKs need to decide targets based on outcomes, making KVK commercially viable and providing quality facilities to the farmers. Dr. Chahal said that KVKs need to sensitize farmers on reducing cost of production. He focused on high value crops, on farm processing, implementation of innovative ideas, respect and protection of environment and team work of KVKs. Dr. Lakhan Singh, Director, ICAR-ATARI, Pune in his welcome and introductory remarks highlighted the significant activities of ATARI centre during the past year. Dr. K. D. Kokate gave a lucid presentation on the present scenario of agriculture and role of KVKs under changing circumstances. Dr. S. Prabhukumar in his address focused on the KVK system. Dr. P. B. Kharde, Officer Incharge, Communication Centre expressed vote of thanks, while, Dr. B. A. Deshmukh anchored the programme. Publications of ATARI, Pune 'Managing Farm Level Stress' and various KVKs including mobile apps were released on this occasion. The Directors of Extension Education of Maharashtra and Gujarat, 79 Heads and Senior Scientists of KVKs participated in the workshop. The KVKs presented their progress report and action plans during the technical sessions.

Earlier in the technical sessions chaired by Dr. A. L. Pharande, Dean, Faculty of Agriculture, MPKV, Rahuri and Dr. N. P. Singh, Director, NIASM, Baramati various experts presented their institute's research achievements. Dr. N. P. Singh, Director, NIASM, Baramati (Technologies for abiotic stress management), Dr. S. D. Sawant, Director, NRC for Grapes (Technologies needed for Grape Industry), Dr. Jyotsana Sharma, I/C Director, NRC for Pomegranate (Promising pomegranate technologies for higher

returns), Dr. S. Prabhukumar, Ex-Director, ICAR-ATARI, Bengaluru (Technology application through OFTs and FLDs), Dr. S. S. Gadge of NRC for Garlic and Onion (Onion and Garlic technologies of ICAR-DOGR), Dr. Navin Kumar of DFR, Pune (Promising technologies in Floriculture), Dr. A. D. Huchche of CCRI, Nagpur (Usable Citrus production and protection technologies), Dr. C. Ramarao of CRIDA, Hyderabad (Technology Demonstration component of NICRA), Mr. Matthews (Public Financial Management System-PFMS) made presentations and answered the queries of the KVK participants. The proceedings of the technical sessions were presented in the plenary session of the workshop.

7. Annual Review Meeting of Network Project on Sheep Improvement (NWPSI) & Mega Sheep Seed Project (MSSP)



May 19-20, 2018. The Annual Review Meeting (2017-18) of Network Project on Sheep Improvement (NWPSI) was organized at MPKV, Rahuri in collaboration with ICAR-Central Sheep and Wool Research Institute, Avikanagar. Vice Chancellor Dr. K. P. Viswanatha presided over the inaugural function. Dr. Joykrushna Jena, Deputy Director General (Animal Science), ICAR, New Delhi was the chief guest for the programme. Dr. R. S. Gandhi, ADG (Animal Science), ICAR, New Delhi, Dr. Arun Kumar, Director, CSWRI, Dr. Arjava Sharma, Director, National Bureau of

Animal Genetic Resources, Karnal, Dr. S. R. Gadakh, Director of Research and Dr. Y. G. Fulpagare, Head, Department of ASDS were present on the dias. Dr. Jena in his address expressed concern about the declining rate of sheep in the country which is 9 per cent every year. Developing high productive breed of sheep is needed, he remarked. Scientists need to develop close housing system of sheep for commercial purpose, he said. Vice Chancellor Dr. Viswanatha in his address highlighted the importance of sheep rearing for sustainable income to the farmers. Sheep rearing is a sort of ATM to the farmers, he said. Open grazing lands are decreasing every year, hence this aspect needs to be focused upon, he said. Dr. Gadakh gave the introductory remarks. Dr. Gandhi and Dr. Kumar also addressed the scientists. Dr. R. J. Desale anchored the programme, while, Dr. U. Y. Bhoite proposed thanks. Scientists across the country attended the meeting.

8. 46th Joint AGRESO organized

May 24-26, 2018. The 46th meeting for Joint Agricultural Research and Development Committee of four SAUs of Maharashtra was organized by Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli in co-ordination with MCAER, Pune. The meet was inaugurated by Dr. M. C. Varshneya, Former Vice Chancellor, Kamdhenu University, Gujarat. Dr. B. Venkateswarlu, Vice Chancellor, Vasant Naik Marathwada Krishi Vidyapeeth, Parbhani presided over the function. Vice Chancellors of SAUs Dr. K. P. Viswanatha (MPKV, Rahuri), Dr. Tapas Bhattacharya (DBSKKV, Dapoli), Dr. Vilas Bhale (Dr. PDKV, Akola), Shri. Ravindra Jagtap, Director General, MCAER, Pune, Dr. S. Jahagirdar, Member, Executive Council and Directors were present on the dias. Dr. S. R. Gadakh, Director of Research presented the various crop production technologies, varieties and farm

implements. In all MPKV released 40 crop production technologies, 6 varieties and 1 farm implement.

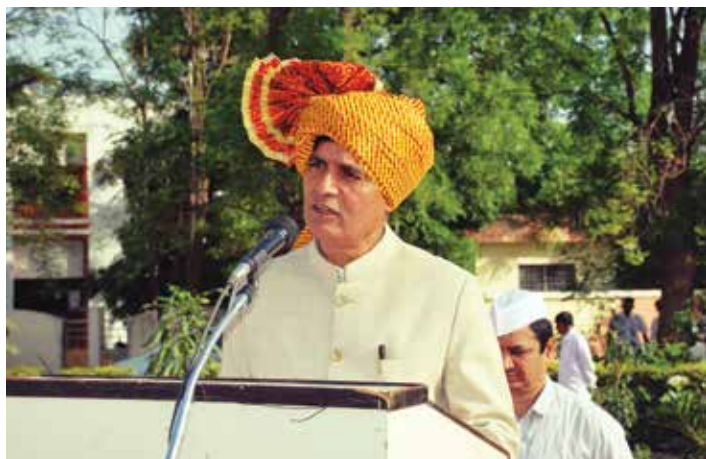
9. World Honey Bee Day celebrated



May 20, 2018. A One day training cum workshop on Importance of honeybees in crop pollination was organized by the Department of Entomology at MPKV, Rahuri on the occasion of World Honey Bee Day. Vice Chancellor Dr. K. P. Viswanatha presided over the function. Shri. Dinkar Patil, Progressive Honey Producer farmer, Latur was the Guest Speaker. Dr. A. L. Pharande, Dean, Faculty of Agriculture, Dr. S. R. Gadakh, Director of Research, Dr. U. B. Hole, Head, Department of Entomology, Shri. Bhausaheb Barhate, PD, ATMA, Ahmednagar were present on the dias. In his address Vice Chancellor Dr. Viswanatha said that honey bee is nature's gift to mankind. About 80 % pollination of crops is done by honey bees, hence we need to protect and conserve them. The crop production could be increased through apiculture, he said. Shri. Dinkar Patil in his address said that honey bee is a friend of human beings. Apiculture can provide employment opportunities. There is a huge demand for honey products, hence adoption of commercial apiculture is needed, he said. Dr. Pharande, Dr. Gadakh and Shri. Barhate also guided on this occasion. Dr. U. B. Hole gave the welcome and introductory remarks. Dr. Pallavi Palande anchored the programme. Staff, students and farmers were present in large number for the programme.



10. Maharashtra Day celebrated



May 1, 2018. The Maharashtra Day and International Labour Day was organized at Central Campus, MPKV, Rahuri. The flag hoisting was done at the auspicious hands of Vice Chancellor Dr. K.P. Viswanatha. On this occasion Dr. Viswanatha said that the university is celebrating its Golden Year of its establishment. Also we need to focus on doubling of farmers income as per the mandate of central government. The University has evolved new crop varieties, farm implements and crop production technologies for farming community and other stakeholders, he said. Further, he hoped that with the collaboration of Department of Agriculture, these technologies need to reach the farmers. Dr. K. D. Kokate, Director of Extension Education, Dr. A. L. Pharande, Dean (F/A), Dr. S. R. Gadakh, Director of Research, Dr. D. D. Pawar, Registrar, Shri. Vijay Kote, Comptroller, Shri. Milind Dhoke, University Engineer, Heads of Department, university scientists, staff and students were present in large number. The programme was anchored by university Security Officer Shri. Goraksha Shete.

June 2018

11. Zonal Agricultural Interface organized

June 7, 2018. The Zonal Agricultural Research and Extension Advisory Committee (ZAREAC) meeting



for kharif-2018 was organized by MPKV, Rahuri in co-ordination with the State Department of Agriculture and ATMA, Nasik at the Yashwantrao Chavan Maharashtra Open University (YCMOU), Nasik. Vice Chancellor Dr. K. P. Viswanatha presided over the meeting. Dr. E. Wayunandan, Vice Chancellor, YCMOU, Nasik, Shri. Sacchindra Pratap Singh, Commissioner (Agriculture), M. S., Directors Dr. K. D. Kokate, Dr. S. R. Gadakh, Shri. Vijaykumar Ghawate, Dr. V. S. Shirke were present on the dias. Vice Chancellor Dr. Viswanatha in his presidential address hoped that the Zonal interface is a good platform for updating latest research information. He stressed the need for convergence of University and Department for effective transfer of agricultural technologies. Crop planning, market intelligence, value addition and storage are important aspects to be looked upon. Farmers need to be educated on fertilizer application as per soil testing and use of pesticides. A statelevel workshop on Doubling farmers income would be organized soon with the involvement of all stakeholders, he said. Vice Chancellor Dr. E. Wayunandan in his address hoped that all aspects of kharif season would be examined during the deliberations. He praised the contribution of MPKV in agricultural development. Shri. Sacchindra Pratap Singh hoped that SAU, Department of Agriculture, ATMA and KVK would join hands for increasing the

crop productivity. Doubling of farmers income can be done through diversification of agriculture including animal husbandry, sericulture etc. Effective advisory services for awareness of cotton pink bollworm is very much needed, he reiterated. Dr. K. D. Kokate, Director, Extension Education gave the introductory remarks and presented the yield gaps of major kharif crops and efforts for minimizing them. Dr. S. R. Gadakh, Director of Research presented the recent crop varieties and technology recommendations released during the Joint AGRESCO. Shri. Ghawate presented the feedback of seed and technologies and farmers expectations. The university publication Shri Sugi, Kharif-2018 was released on this occasion. Dr. D. V. Kusalkar, Associate Director of Research, NARP, Igatpuri welcomed the dignitaries and the participants. Dr. B. A. Deshmukh anchored the programme, while, Dr. Yogesh Patil expressed thanks. Heads of Departments, Joint Directors of Agriculture Dr. Zhende, Mr. Sapre, District Supt. Agril. Officers, PD, ATMA, Associate Directors of Research, Crop Specialists, Heads of KVKs, Incharge, RECs and DECS, scientists and officers of Agriculture Department participated in the discussion.

12. Farmers rally on pink bollworm of cotton

June 8, 2018. A Farmers rally on pink bollworm of cotton was organized by the university in co-ordination with State Department of Agriculture and ATMA, Ahmednagar. Shri. Rahul Dwivedi, District Collector, Ahmednagar was the chief guest on this occasion. Vice Chancellor Dr. K. P. Viswanatha presided over the function. Dr. K. D. Kokate, Director, Extension Education, Dr. S. R. Gadakh, Director of Research, Shri. Dadasaheb Sapre, Joint Director of Agriculture, Shri. Pandit Lonare, District Supt. Agril. Officer, Ahmednagar, Shri. Bhausahab Barhate, PD, ATMA,



Ahmednagar, Dr. R. W. Bharud, Head, Department of Botany, Dr. R. S. Wagh, Cotton Breeder were present on this occasion. At the outset condolences were offered to Late Pandurang Fundkar, former Minister of Agriculture, M. S. In his presidential address Vice Chancellor Dr. Viswanatha said that farmers have been in trouble due to infestation of pink bollworm on cotton during last three years. The university has recommended a package for control of this pest which needed to be made aware to the farmers. Management aspect is required to be followed which we lack in control of this pest, he said. The District Collector Shri. Rahul Dwivedi in his address said that the farmers need to give more stress on integrated pest management (IPM) for controlling pink bollworm on cotton. Farmers can overcome this problem through the guidance of university experts, he hoped. Dr. Kokate said that more use of biological pesticides, pheromone traps is required to control pink bollworm. Dr. Gadakh addressed on the various aspects of infestation problem and remedial measures to be undertaken. Shri. Sapre, Shri. Lonare, Shri. Barhate also addressed the farmers. A folder on control of pink bollworm of cotton was released during the programme. The university scientists guided the farmers. Dr. Nandkumar Bhute anchored the programme, while, Dr. Sopan More expressed thanks.



13. International Yoga Day celebrated



June 21, 2018. The International Yoga Day was celebrated at College of Agriculture, Pune. *Yogacharya* Shri. Sunil Bhandarkar guided the staff and students on this occasion. Vice Chancellor Dr. K.P. Viswanatha, Dr. P. N. Rasal, Associate Dean, Dr. S. D. Masalkar, Principal, College of Horticulture, Prof. Tukaram Bhondve, Student Welfare Officer, Dr. Ram Chaudhary, NCC officer were present on the dias. In his address Shri. Bhandarkar said that yoga has many advantages like increase in concentration and maintaining health and mind peace. Stress could also be reduced through yoga, he said. Vice Chancellor Dr. Viswanatha in his presidential address said that yoga is a great gift by India to the world. The United Nations Organization has declared 21st June as International Yoga Day, he said. Dr. Rasal in his introductory remarks said that yoga need to be done regularly to achieve its long term benefits. Certificates were awarded to the students for best essay on Importance of Yoga in Life at the hands of Hon'ble Vice Chancellor. Dr. Manisha Sonwane, Medical Officer and Director, Soham Charitable Trust anchored the programme. Different exercises on Yoga were practiced on this occasion.

June 21, 2018. The International Yoga Day was celebrated at MPKV, Rahuri and all campuses of



university jurisdiction. Yoga teacher Prof. Shridhar Dhas, New Arts, Commerce and Science College, Ahmednagar was the chief guest for the programme organized in the university. Dr. A. L. Pharande, Dean, Faculty of Agriculture presided over the programme. Dr. D. D. Pawar, Registrar, Dr. R. S. Patil, Associate Dean, PGI, Dr. D. B. Yadav, Head, Department of Agril. Economics, Prof. Sharad Patil, Student Welfare Officer were present on the dias. Prof. Dhas cited many examples of successful yoga. He underlined the need for regular practicing of yoga. We can achieve our set goals and targets through yoga, he said. Dr. Pharande in his presidential address said that we get a positive energy through yoga which helps to negate the stress in our life. Yoga is our tradition and we need to practice it and transfer our knowledge to others. Dr. R. S. Patil gave the introductory and welcome remarks. Shri. Rameshwar Thorat anchored the programme, while, Prof. Sharad Patil gave vote of thanks. Certificated were awarded to those who completed the yoga class. In the morning hours yoga was practiced by the staff and students organized on university sports ground under the guidance of Yoga teacher Shri. Suresh Shedge.

14. Interface between MPKV and Pomegranate Growers Association

June 28, 2018. An interaction meet of MPKV scientists and Directors of Pomegranate Growers



Association was organized in the university. Vice Chancellor Dr. K.P. Viswanatha chaired the meeting. Shri. Prthiviraj Jachak, President, Pomegranate Growers Association, Dr. S. R. Gadakh, Director of Research, Shri. Arun Deore, Vice President, Dr. Dhakre, Incharge, Head, Department of Horticulture, Dr. V. S. Supe, Associate Director of Research, Ganeshkhind, Dr. V. D. Shende, Associate Director of Research, Rahuri, Shri. Trimbake, Deputy Director, Horticulture, Pune, Shri. Sable of Agricultural Marketing Board, Pune, Shri. Nalge, Deputy Director, Department of Agriculture, Ahmednagar, Shri. Jagtap, Deputy Director, ATMA, Ahmednagar were present on this occasion. Vice Chancellor Dr. Viswanatha in his address narrated the contribution of MPKV in pomegranate research. He underlined that the Bhagwa variety has made tremendous impact on the farmers not only in Maharashtra but other states too. Farmers need to go for disease free and healthy seedlings to keep the oily spot away. They need to go for value addition and market survey for securing good price. A standardized protocol for tissue culture in pomegranate is needed, he opined. Shri. Jachak briefed about the activities of Pomegranate Growers Association and stressed the need for reducing the cost of cultivation. Research and co-ordination between SAUs, NRC, Agriculture Department, Marketing Board and the Pomegranate Growers Association is required to solve

farmers issues, he said. Dr. Gadakh hoped that the interface between scientists and growers is a welcome step to solve issues in pomegranate. He stated the research direction of the university for pomegranate. The scientists of MPKV Dr. Supe, Dr. Gorantiwar, Dr. Jadhav, Dr. Raghuwanshi, Dr. Navle, Dr. Walunj, Dr. Durgude, Dr. Kulkarni, Dr. More, Dr. Nilesh Gaikwad of NRC-P, Solapur, Shri. Sable, Marketing Board guided on various aspects of pomegranate during the meeting. Dr. Shrikant Kulkarni anchored the programme, while, Shri. Maruti Borate, Secretary, Pomegranate Growers Association expressed thanks.

15. World Environment Day celebrated



June 5, 2018. The World Environment Day was celebrated in the University. Shri. Adarsha Reddy, Deputy Conservator of Forests, Ahmednagar was the chief guest for the function organized in Dr. Annasaheb Shinde auditorium. Vice Chancellor Dr. K. P. Viswanatha presided over the function. Dr. A. L. Pharande, Dean, Faculty of Agriculture, Dr. S. R. Gadakh, Director of Research, Registrar Dr. D. D. Pawar, Associate Deans Dr. R. S. Patil and Dr. S. A. Ranpise, Dr. R.M. Naik, President, Student Council, PGI, Prof. Sharad Patil, Student Welfare Officer were present on the dias. Shri. Reddy in his address highlighted the importance of environment and its protection. He said that the theme for this year's World Environment Day is 'Beat Plastic Pollution'. He called for honest efforts of all to protect the natural environment. Vice Chancellor

Dr. Viswanatha in his presidential address said that we need to understand the nature and educate the people for protecting it. Awareness on reducing the use of plastics and recycling it is very much needed. Burning of agricultural waste which increases carbon needs to be avoided. Trees are the source of tapping carbondioxide and hence the university has taken a massive tree plantation programme. Students have also been involved in this programme, he said. Dr. A. L. Pharande, Dean, F/A gave the welcome remarks and introduced the chief guest. Registrar Dr. D. D. Pawar proposed vote of thanks. Mr. Vinod Thakre anchored the programme. The Heads of Departments, staff and students attended the programme.

16. Training programme organized under Unnat Sheti Samrudha Shetkari Abhiyan



June 18, 2018. A training programme for kharif-2018 to farmers group co-ordinators was organized in the university in co-ordination with State Department of Agriculture and ATMA, Ahmednagar. Dr. S. R. Gadakh, Director of Research presided over the programme. In his address Dr. Gadakh said that we need to increase the crop productivity in low productivity areas. Crop production cost can be minimized through technologies like seed treatment, use of onfarm inputs, he said. The integrated farming system model (IFS) recommended by the university will certainly enhance farmers income. Dairy, poultry, goat rearing are important IFS components which we

need to focus for doubling farmers income, he said. Shri. Pandit Lonare, District Supt. Agril. Officer, Ahmednagar in his introductory remarks put forth the objectives of *Unnat Sheti Samrudha Shetkari Abhiyan*. He elaborated the 10 ha. demonstration project which is to be implemented by the farmers groups in their fields for increasing crop production and reducing the cost of cultivation. Prof. M. M. Desai, Manager, Agricultural Technology Information Centre, experts Dr. Pacharne, Dr. Dhonde guided the farmers. Deputy Director Shri. Vilas Nalge anchored the programme, while, Shri. Bapusaheb Shinde expressed thanks. Around 550 farmers group co-ordinators were trained by university scientists on bajra, red gram, green gram, urid, soyabean, paddy, maize and lucerne grass during the one day programme.

17. Training programme on Bajra and Red Gram Production Technology organized under ICAR Farmer FIRST programme



June 26, 2018. Dr. K. D. Kokate, Director, Extension Education inaugurated the training programme on Bajra and Red Gram Production Technology organized under the ICAR FFP at the central campus. In his inaugural address Dr. Kokate hoped that the Chinchvihi and Kangar villages would come up as model villages with the support of ICAR Farmer FIRST programme being implemented by MPKV, Rahuri. He called for branding of *Dhanshakti* variety of bajra developed by

the university which is rich in iron content. Grading and packing of agril. produce would give good returns to the farmers, he said. Dr. P. B. Kharde, PI in his introductory remarks briefed about the kharif planning and said that bajra demonstrations involving varieties like *Adishakti* and *Dhanshakti* is being taken on 40 ha. area, while, the red gram variety BDN-711 on 20 ha. area. Dr. N. S. Kute, Associate Professor of Botany, Prof. Changdev Wayal, Assistant Professor of Plant Pathology and Dr. Dattatraya Pacharne, Assistant Professor of Agronomy guided the trainees on bajra and red gram production technology. Dr. S. S. Sadaphal, Co-PI anchored the programme, while, Shri. Vijay Shedge expressed thanks. About 50 farmers participated in the training programme.

18. Training programme on Dairy Management and Fishery was organized under ICAR Farmer FIRST programme



June 19, 2018. Various training programmes were organized by the university under the ICAR Farmer FIRST programme. An offcampus training programme on Dairy Management and Fishery was organized at Chinchvihire village. At the outset Dr. P. B. Kharde, PI of the project gave the introductory remarks. Dr. Y. B. Kandalkar, Assistant Professor of ASDS in his guidance on dairy management highlighted the need for loose housing system for cattle. He also addressed the feed management of cattle and various diseases of cattle particularly in rainy

season and their control measures along with vaccination schedule. Dr. Suresh Ubale guided the farmers on forage crops. He said that the university released fodder crops like Phule Jaywant, Phule Gunwant need to be cultivated on large scale through which farmers can increase their milk production. Shri. Rajendra Dangre, Fishery expert guided on fishery in farm ponds. He hoped that proper feed and care management of fish in farm ponds would give good returns to the farmers. The experts answered the farmers queries. Shri. M. R. Thokle, Taluka Agril. Officer, Rahuri, Shri. Namdev Rokade, Technical Officer, Pune, Shri. Raibhan Gaikwad, Agril. Asstt. And farmers were present on this occasion. Dr. B. A. Deshmukh, Co-PI anchored the programme, while, Dr. S. S. Sadaphal, Co-PI expressed thanks. After the training programme demo on fish harvesting in farmers farm ponds was organized in Chinchvihire and Kangar villages.

19. Agriculture Education Day organized at College of Agriculture, Kolhapur



June 21, 2018. The Agriculture Education Day was organized at College of Agriculture, Kolhapur. In his address to the students and parents, Dr. G. N. Khot, Associate Dean of the college highlighted the various opportunities in agriculture sector. Apart from the academic career, the students have a choice for starting their agricultural enterprises. An agricultural graduate cannot only be a job seeker but a job provider to others, he said. An agricultural graduate has a vast scope for research, administrative services, banking sector

and private sector. Dr. Khot briefed about the course curricula, syllabus and the available infrastructure for the students. Mrs. Bhagyashri Pawar, eputy Director, Agriculture also addressed the students. Shri. Santosh Khandelwal, President, Khandelwal Biofertilizers, Ichalkarangi stated the scope for students in the field of food processing, biofertilizer production and advisory services. Dr. Rajendra Suryavanshi, Professor of Agril. Economics guided on admission procedure. Dr. Dinkar Patil, President, Students Council, staff, students and parents were present for the programme. Miss. Priya Kashid and Mr. Kiran Pisal anchored the programme, while, Prof. B. T. Kolgane, Student Welfare Officer proposed thanks.

20. Rural Programme Advisory Committee meeting of All India Radio organized at College of Agriculture, Pune



June 14, 2018. The Rural Programme Advisory Committee meeting of All India Radio, Pune was organized at College of Agriculture, Pune. Dr. P. N. Rasal, Associate Dean of the college presided over the meeting. Shri. Gopal Oute, Deputy Director, Shri. Ravindra Ranjekar, Assistant Director, Shri. Anilkumar Pingle, Programme Officer of AIR, Pune, Dr. V. S. Supe, Associate Director of Research, Ganeshkhind, Dr. S. B. Shinde, Professor of Agril. Extension were present for the meeting. Dr. Rasal briefed about

the educational, research and extension education activities of the college. Shri. Oute hoped that the AIR programmes would be beneficial to the farmers for crop planning in the ensuing season. Dr. Shinde opined that the AIR is trying to reach more number of farmers and has a key role in transfer of technology. Shri. Pingle gave the introductory remarks. Shri. Kulkarni anchored the programme, while, Dr. Jyoti Walke expressed thanks. Officers of various departments, scientists and progressive farmer members took part in the discussions.

July, 2018

21. Visit of Peer Review Team (PRT) for accreditation to MPKV, Rahuri



July 25-29, 2018. The Peer Review Team (PRT) of the Indian Council of Agricultural Research (ICAR), New Delhi visited the MPKV, Rahuri and accredited colleges for accreditation work. The team was led by the Hon'ble Chairman Dr. B. S. Chundawat, Former Vice Chancellor, Sardarkrushinagar Dantiwada Agricultural University, Sardarkrushinagar, Gujarat with Member Secretary and ADG (EQA & R), ICAR, New Delhi Dr. G. Venkateshwarlu and members Dr. J. Singh, Dr. S. S. Siwach, Dr. B. K. Sharma and Dr. M. Pratap. Vice Chancellor Dr. K. P. Viswanatha welcomed the team at College of Agriculture, Pune. In his presentation he briefed about the governance

of the university and its significant achievements. He assured the team that the university would implement the suggestions of PRT. Dr. A. L. Pharande, Dean, Faculty of Agriculture presented the significant education activities of the university for the last five years. Dr. K. D. Kokate, Director, Extension Education and Dr. S. R. Gadakh, Director of Research presented the extension education and research accomplishments of the university, respectively. In his remarks the Chairman Dr. B.S. Chundawat stressed the need for quality education. He said that the students need to be ready to face the challenges in agriculture and for that purpose they need to be trained and well equipped. Dr. G. Venkateshwarlu, Member Secretary put forth the objectives of the accreditation exercise and sensitized about the requirements for grading and ranking of agricultural universities. He touched various aspects like revenue generation, commercialization, patents, employability, startups and gender balance. Members of PRT also gave their views. They expressed satisfaction about the achievements of the university. The team visited the College of Agriculture, Pune, Dhule, Kolhapur, Nandurbar, Karad and College of Horticulture, Pune. The team also visited the Post Graduate Institute and Dr. Annasaheb Shinde College of Agricultural Engineering and Technology at central campus, Rahuri. Associate Deans Dr. R. S. Patil, Dr. D. D. Pawar, Dr. P. N. Rasal, Dr. P. A. Turbathmat, Dr. S. B. Kharbade, Dr. G. N. Khot, Dr. A. M. Musmade and Dr. S. D. Masalkar, Principal, CoH made the presentations before the PRT. The team visited the students hostels, library, laboratories and other infrastructure facilities and interacted with the staff and students. Dr. M. C. Ahire, Head, Department of Extension Education and Nodal Officer, ICAR coordinated the PRT visit and expressed thanks. Dr. B. D. Bhakre anchored the programme.

22. Centre for Advanced Agricultural Science and Technology (CAAST) for Climate Smart Agriculture and Water Management (CSAWM) sanctioned to MPKV

In response to the call from ICAR, MPKV, Rahuri submitted a project on “Centre for Advanced Agricultural Science and Technology (CAAST) on Climate Smart Agriculture and Water Management”. The project has been sanctioned to the university for Rs 1990.10 lakh with financial support from ICAR, New Delhi and World Bank. The project duration is for three years from 2018-19 to 2020-21. This is an advanced educational program under National Agricultural Higher Education Project of ICAR. Two academic programmes will be started in the project. One is one-year PG Diploma in Climate Smart Agriculture and Water Management. Another is post-doctoral programme. The Principal Investigator of the Project is Dr. S. D. Gorantiwar, Professor & Head, Department of Irrigation & Drainage Engineering and Co-Principal Investigators are Dr. M.G. Shinde, Professor & Head, Inter Faculty Dept. of Irrigation Water Management and Dr. J. S. Pachpute, Associate Professor of Irrigation & Drainage Engineering. In addition there 12 University scientists as members of the project covering the disciplines of Engineering, Agronomy, Soil Science, Extension and Biotechnology. The main component of the project will be implemented at Central Campus, Rahuri and sub component at College of Agriculture, Pune. The Post Doctoral Program will start from January 2019 and PG Diploma will start from academic year 2019-20. As a part of the program, one research block of Climate Smart Agriculture of 10 ha. will be developed in the campus with cultivation of cash crops, horticultural crops, vegetable crops and cereals. The project will be run in collaboration with 15 National



institutions, Industries, NGOs and 4-5 International Institutions. The crux of the project is PG Diploma in Climate Smart Agriculture. This is one year course and students from Engineering, Science and Social Science streams will be admitted for the Diploma. The total intake of the Diploma will be 24 students with 8 students from each stream. The Diploma is module based. Vice Chancellor Dr. K. P. Viswanatha congratulated the scientists for this achievement.

23. Inception Workshop on CAAST organized



July 15-17, 2018. An Inception Workshop on CAAST programme was organized at central campus, Rahuri to finalize the modules of Engineering and Science Streams of PG Diploma.

Vice Chancellor Dr. K. P. Viswanatha chaired the programme. Representatives of all Indian twinning institutions, Prof. Cloudio Stockle and Dr. Luv Khot from Washington State University, USA, Prof. Manjul Hazarika from Asian Institute of Technology, Bangkok, Dr. Giriraj from International Water Management Institute, Colombo, Sri Lanka participated in the workshop. Directors Dr. K. D. Kokate, Dr. A. L. Pharande, Dr. S. R. Gadakh, Dr. D. D. Pawar, Registrar and Associate Dean, Dr. ASCAE & T, Dr. S. D.

Gorantiwar, PI were present on this occasion. Dr. Viswanatha hoped for a climate SMART work through this project. The scientists would get an international exposure and the project would enhance mutual cooperation of international institutes and scientists. This would ultimately benefit the farmers, he opined. Prof. Cloudio Stockle in his address ensured the application of climate smart agricultural technologies through the project. He emphasized the use of IT in agriculture and thereby profitable agriculture through latest technologies. Dr. A. L. Pharande, Dean, Faculty of Agriculture gave the introductory remarks. Dr. K. D. Kokate, Director of Extension Education and Dr. S. R. Gadakh, Director of Research also addressed the participants. Dr. S. D. Gorantiwar, PI briefed about the outline of the project. Dr. D. D. Pawar, Registrar expressed thanks, while, Dr. J. S. Pachpute anchored the programme. Rapporteurs Dr. M. C. Ahire, Dr. P. S. Bodake, Dr. M. G. Shinde and Dr. J. S. Pachpute presented the proceedings of their respective sessions. Scientists and officials of national, international, private institutes and NGOs took part in the discussions.

24. Krishi Din and Vanmahotsav organized at MPKV, Rahuri



July 2, 2018. *Krishi Din* and *Vanmahotsav* programme was organized at the Mahatma Phule Krishi Vidyapeeth, Rahuri to celebrate the birth anniversary of former Chief Minister of Maharashtra late Vasant Rao

Naik. Dr. K. P. Viswanatha, Vice Chancellor, MPKV, Rahuri presided over the function. Shri. Adarsha Reddy, District Conservator of Forests, Ahmednagar was the chief guest. Dr. K. D. Kokate, Director, Extension Education, Dr. S. R. Gadakh, Director of Research, Mrs. Kirti Jamdhade, Divisional Forest Officer, Shri. Anil Dound, Tahsildar, Rahuri, Registrar Dr. D. D. Pawar, Comptroller Shri. Vijay Kote, Shri. Pandit Lonare, District Superintendent Agricultural Officer, Ahmednagar were present on the dias. Vice Chancellor Dr. K. P. Viswanatha in his presidential address hoped that convergence of all departments in plantation programme would yield good results. He said that the university is developing 2600 acre of barren land into a model watershed project with the assistance of *Adarsha Gaon Yojana* through application of water conservation structures, bunding, CCT and tree plantation. The university since last three years has undertaken a massive drive to plant trees with the help of students, who have been given the task of planting and protecting at least five plants each. Trees have an important role in carbon sequestration, he said. Dr. Viswanatha announced that the Government of Maharashtra has sanctioned funds of Rs. 3.2 crore to the university under Bamboo Mission programme. In his chief guest address Shri. Adarsha Reddy said that the Government of Maharashtra has set a target of one crore plants to be planted during July this year. Considering the ill effects of global warming and rising temperature, green cover is very much needed. We need to protect our environment, he said. He appealed to educate the people about protecting the planted trees. Mrs. Kirti Jamdhade in her speech appreciated the efforts of MPKV in tree plantation drive. Dr. K. D. Kokate in his introductory and welcome address briefed about the objective of the programme. Dr. S. R. Gadakh gave a presentation on how to plant

trees in a scientific way. Dr. D. D. Pawar expressed vote of thanks. Dr. B. D. Bhakre anchored the programme. After the programme, the university staff and students planted around 23,655 trees at the central campus. This include *neem*, *jamun*, mango, bamboo, *karanj*, *aonla*, *hirda*, *behada*, kagzi lime and various medicinal plants. A target of 1,06,182 trees for planting this year has been set by the university in its ten district jurisdiction.

25. Training on Marketing skill development for bio fertilizers and bio pesticides organized



July 24-25, 2018. A training programme on Marketing skill development for bio fertilizers and bio pesticides for fresh agricultural graduate students was organized by the university in coordination with the Agricultural Microorganism Manufacturing Association (AMMA), Nasik. In his inaugural address, Dr. K. D. Kokate, Director of Extension Education hoped for appropriate skill acquisition of marketing of bio fertilizers and bio pesticides by agricultural graduates. The application of bio fertilizers and bio pesticides is very important for organic farming, hence proper marketing is essential, he said. Dr. S. R. Gadakh, Director of Research in his address said that the university has already signed a MoU with AMMA which will benefit the agricultural graduates. This training would benefit them for acquiring skills in marketing of the produce. Dr. D. R. Wakhchaure,

President, AMMA also addressed the trainees. Dr. C. D. Deokar, Head, Department of Plant Pathology and Agril. Microbiology in his introductory remarks briefed about the training. Dr. R. S. Patil, Associate Dean, Post Graduate Institute, Dr. V. D. Shende, Associate Director of Research, Heads of Departments Dr. R. M. Naik, Dr. D. S. Pokharkar, scientists Dr. A. M. Navale, Dr. K. S. Raghuvanshi and trainees were present during the programme. Shri. P. S. Dharankar, Secretary anchored the programme, while, Dr. R. V. Jagtap, Vice President expressed thanks.

26. Training on Farm Mechanization organized



July 4-5, 2018. A training programme on Tractor and tractor drawn improved implements was organized by the All India Coordinated Project on Agricultural Implements and Machinery at MPKV, Rahuri in collaboration with M/S Kubota India Pvt. Ltd.. Dr. D. D. Pawar, Registrar and Associate Dean, Dr ASCAE & T inaugurated the programme. Mr. Shashimoto, Director, Kubota India Pvt. Ltd., Er. Vijay Kote, Comptroller, Dr. Tulsidas Bastewad, Dr. Sachin Nalawade were present on the dias. Dr Pawar in his inaugural address hoped for reduction in cost of crop cultivation due to farm mechanization. Mr. Shashimoto in his address appreciated the development of improved implements by the university

and assured that Kubota would take efforts for transfer of technology of these implements to the farmers. Dr. Bastewad guided the farmers on this occasion. The university Engineers Dr. Sachin Nalawade, Er. Vishwas Deshmukh, Er. Mahesh Pacharne, Shri. Pankaj Kadam and Shri. Sachin Rajmane guided the trainees during the two days programme.

27. Live webcast of Hon'ble Prime Minister's speech organized at KVK, Mohol



July 12, 2018. The live webcast of Hon'ble Prime Minister's speech was organized at KVK, Mohol. During his speech Hon'ble Prime Minister Shri. Narendra Modi interacted with members of Self Help Groups (SHGs). He reviewed the progress of SHGs, their significant activities and products. He said that the SHGs need to register on GeM portal for marketing of their produce. He also emphasized on value addition of farm produce. On this occasion the Head and Programme Coordinator of KVK, Mohol Dr. Dinesh Nandre guided the members of SHGs in the training programme. He cited the importance of allied agricultural enterprises for doubling of farmers income. The SMS of KVK Shri. Dinesh Kshirsagar, Dr. Tanaji Walkunde, Mrs. Kajal Jadhav guided the women members. Shri. Ajay Dighe anchored the programme. Large number of SHG women members participated in the event.

28. Inauguration of biogas plant at AC, Pune



July 12, 2018. Dr. P. N. Rasal, Associate Dean inaugurated the biogas plant, vermicompost and *jivamrut* units established by the Animal Husbandry and Dairy Science section at College of Agriculture, Pune. Dr. Rasal cited the importance of biogas, vermicompost and *jivamrut* in soil health conservation. The gas from biogas unit would be supplied for preparation of milk products for the students undertaking training. Dr. Rasal hoped that this would reduce the expenditure on fuel and lead to saving in fuel. The slurry from biogas plant would be used for vermicompost. This would be utilized for forage production. Dr. Bhanudas Pawar, Head of AHDS section gave the introductory remarks. Dr. S. D. Masalkar, Principal, College of Horticulture, staff members Dr. Pachpute, Dr. Mane, Dr. Gaikwad and students were present on this occasion.

August, 2018

29. Independence Day celebrated



August 15, 2018. The 72nd Independence Day was enthusiastically celebrated in the university. Vice

Chancellor Dr. K. P. Viswanatha hoisted the national flag. In his address Dr. Viswanatha said that the nation could achieve independence after a long period due to the sacrifices made by our freedom fighters. We need to remember these sacrifices and pledge for the development of our nation. He reviewed the contribution of the University for development of agriculture in the field of education, research and extension education. He said that the university students have made an impact in various competitions. A project on “Centre for Advanced Agricultural Science and Technology (CAAST) on Climate Smart Agriculture and Water Management” funded by ICAR, New Delhi worth Rs. 19.90 crore has been sanctioned to the university, he said. This year the university has released seven crop varieties, one implement and fifty five technology recommendations for the farmers. The university is reaching over 6000 farmers through the RKVY and ICAR Farmer FIRST projects. The NCC students led by Dr. R. N. Kenghe gave a salute on this occasion. Security Officer Shri. Gorakshanath Shete anchored the programme. Executive Council member Dr. Pankaj Mahale, Directors Dr. K. D. Kokate, Dr. S. R. Gadakh, Registrar Dr. D. D. Pawar, Comptroller Er. Vijay Kote, University Engg. Er. Milind Dhoke, Associate Deans Dr. R. S. Patil, Dr. S. A. Ranpise, Heads of Departments, Chief Scientist (Seed) Dr. A. V. Solanke, staff and students were present for the programme. A blood donation camp was organized at Dr ASCAE & T by NSS, NCC and District Hospital, Ahmednagar. The Vice Chancellor and Directors later visited the seed production plots and nursery of Chief Scientist (Seed).

30. Meeting organized under Doubling of Farmers Income

August 1, 2018. A preplanning meeting for organizing a workshop on Doubling of Farmers





Income (DFI) was organized at College of Agriculture, Pune. Vice Chancellor and Chairman, DFI Committee Dr. K. P. Viswanatha presided over the meeting. In his presidential remarks Vice Chancellor Dr. Viswanatha briefed about the purpose of the meeting. He said that five themes have been formulated under which actionable recommendations are to be given. Significant points need to be prioritized and only relevant points from the perspective of the state shall be considered. Shri. Sacchindra Pratap Singh, Commissioner, Agriculture, M. S. welcomed the dignitaries and members of the committee. He said that we need to crystallize the action points and recommendations need to be precise. Mr. Umeshchandra Sarangi, former Principle Secretary, Agriculture, Govt. of Maharashtra underlined that diversification of agriculture can lead to doubling of farmers income. He emphasized on varietal replacement, net income of farmers, soil health and effective advisory services. Dr. V. M. Bhale, Vice Chancellor, DrPKV, Akola, Dr. Ashok Dhawan, Vice Chancellor, VNMKV, Parbhani, Dr. M. C. Varshenya, Former Vice Chancellor, AAU, Anand, Shri. Kantilal Umap, Commissioner, Animal Husbandry, Dr. K. D. Kokate, Director, Extension Education, Dr. S. R. Gadakh, Director of Research, Mr. Abhay Deshpande, Dy. Commissioner, Fishery, Dr. N. P. Singh, Director, NIASM, Baramati, Dr. Jyotsna Sharma, Director, NRC-P, Solapur,

Dr. K. M. Prasad, Director, Floriculture, Pune, Dr. Lakhan Singh, Director, ATARI, Pune took part in the discussion. Dr. Jagdish Rane, Principle Scientist made a presentation during the meeting. Shri. Vijay Ghawate, Director of Extension and Training, M. S. expressed thanks. Final committees were drafted and planning for the workshop was discussed. University scientists and Officials of State Department of Agriculture attended the meeting.

31. West Zonal Seminar on Plant Physiology organized



August 4, 2018. A West Zonal Seminar on Emerging Trends in Plant Physiology for Crop Production under Climate Change Scenario was organized by MPKV, Rahuri in co-ordination with the Indian Society for Plant Physiology (ISPP), New Delhi. Dr. M. B. Chetti, ADG (HRD), ICAR, New Delhi was the chief guest for the function, while, Dr. Madan Pal Singh, Secretary, ISPP was the guest of honour. Dr. S. R. Gadakh, Director of Research presided over the function. Dr. Gadakh in his presidential address thanked the society for organizing the seminar at MPKV on the occasion of Golden Jubilee celebration of the university. He hoped that the discussions and deliberations would help to get solutions for sustainable crop productivity under changing climate. Dr. Chetti in his address said that human being is responsible for climate change. The cities are growing enormously due to uneven distribution of resources. Therefore, a proper balance

between geographical locations i.e. rural and urban is very much needed. He cited the growing levels of carbon dioxide emission which has rose to 400 ppm/yr due to urbanization and deforestation. The water table has gone down considerably. We need to strike a balance between reductionist and holistic theories to avoid the ill effects of climate change. He said that the plant physiologists need to contribute for post harvest physiology, vacuum packing technology, modified atmospheric packaging technology and artificial intelligence for overcoming the challenges of climate change. Dr. Madan Pal Singh briefed about the activities of the society. Dr. R. W. Bharud, Head. Department of Botany gave the welcome address. A souvenir was released on this occasion. Dr. N. S. Bhute anchored the programme, while, Dr. R. S. Wagh, Organizing Secretary gave vote of thanks. Retired scientists Dr. D. G. Hapase, Dr. Balkrishna Jamdagni, Dr. J. V. Patil, Dr. Bangal, Dr. S. M. Pawar, Dr. L. L. Mane were felicitated on this occasion. Associate Deans Dr. S. B. Kharbade, Dr. S. A. Ranpise, Dr. Ajay Narwade were present on the dias. More than 150 scientists participated in the seminar.

32. Workshop on e-content development organized

August 1-2, 2018. A two day workshop on e-content development was organized by the Department of Extension Education in co-ordination with the Knowledge Bridge, Ahmednagar at MPKV, Rahuri. Dr. K. D. Kokate, Director, Extension Education presided over the function. Dr. S. R. Gadakh, Director of Research, Dr. S. A. Ranpise, Associate Dean, Lower Agril. Education, Dr. M. C. Ahire, Head, Department of Extension Education and Master Trainers Mr. Bhushan Kulkarni and Mr. Eknath Kore were present on this occasion. In his inaugural address,



Dr. Kokate hoped that the workshop would lead to effective learning on modern media like Twitter, You Tube. The video clip development can also benefit the farmers, he said. Dr. Gadakh in his remarks said that the world is moving towards digitization. The workshop would benefit the scientists and students. Dr. Ahire welcomed the dignitaries and gave the introductory remarks. Mr. Kulkarni gave a brief orientation of the workshop. Dr. A. M. Chavai anchored the programme, while, Dr. G. K. Sasane expressed thanks. More than 200 trainees participated in the workshop. The concluding programme was presided by Vice Chancellor Dr. K. P. Viswanatha in presence of Dr. A. L. Pharande, Dean, Faculty of Agriculture and Dr. D. D. Pawar, Registrar.

33. Phule Jal bottling plant inaugurated

August 15, 2018. The *Phule Jal* bottling plant was inaugurated at the hands of Vice Chancellor Dr. K. P. Viswanatha on eve of the 72nd Independence Day. Dr. Viswanatha hoped that the *Phule Jal* would be useful for the health of staff and students. He said that we need to utilize the *Phule Jal* for all meetings and programmes which are being organized not only at the central campus but the jurisdiction as well. Dr. M. G. Shinde, Head, Department of Irrigation Water Management briefed about the plant. He said that this automation plant has a capacity of producing 1200



bottles of one litre/hr, 1800 bottles of half litre/hr and twenty five cans of twenty litre/hr. These bottles would be provided to all offices in the university jurisdiction as per demand. Dr. K. D. Kokate, Director of Extension education, Dr. S. R. Gadakh, Director of Research, Dr. D. D. Pawar, Registrar and Heads of Departments Dr. S. D. Gorantiwar, Dr. R.M. Naik, Dr. C. D. Deokar, Dr. A. V. Solanke, Dr. D. S. Pokharkar, Officer Incharge, Communication Centre Dr. P. B. Kharde and staff were present on this occasion. Dr. Sachin Dingre and Shri. Adinath Suryavanshi made efforts for organizing the programme.

34. Students Study Tour organized by College of Agriculture, Dhule



August, 2018. A Students Study Tour was organized by the College of Agriculture, Dhule. The tour was organized for the students to acquaint with allied agricultural enterprises, entrepreneurship and

employment opportunities. More than 100 students participated in the tour. The students visited the important institutes in Ahmednagar, Solapur, Pune and Nasik districts. They visited the various research projects, Agricultural Technology Information Centre (ATIC), Cattle and Goat projects and Processing units at MPKV, Rahuri. Thereafter, the students visited the Krishi Vigyan Kendra, Baramati, Mauli Krishi Udyog, Shraddha Agro Products at Sonai and Ghatule nursery in Solapur. The tour was guided by Dr. Sandip Patil and Dr. Khushal Barhate under the leadership of Associate Dean Dr. Ashok Musmade and Student Welfare Officer Dr. Rambhau Perene.

September 2018

35. Agro Tech Fest-2018 organized in Pune



September 18-20, 2018. An Agro Tech Fest-2018 was organized at the College of Agriculture, Pune on the occasion of the Golden Jubilee celebrations of the university. Shri. Girish Bapat, Hon'ble Minister for Food, Civil Supplies and Consumer Protection, Food and Drugs Administration, Parliamentary Affairs, Govt. of Maharashtra and Guardian Minister, Pune District inaugurated the event. Mrs. Mukta Tilak, Mayor, Pune Municipal Corporation, Shri. Vijay Kale, MLA, Vice Chancellor Dr. K. P. Viswanatha, Directors Dr. K. D. Kokate, Dr. A. L. Pharande, Dr. S. R. Gadakh,

Registrar Dr. D. D. Pawar, Associate Dean Dr. P. N. Rasal and Principal Dr. S. D. Masalkar were present on this occasion.

The event concluded at the hands of Shri. Sanjay Dhotre, Hon'ble Member of Parliament and Vice Chairman, Maharashtra Council of Agriculture Education and Research, Pune. In his address Shri. Dhotre stressed the need for reducing the cost of crop production for maximizing farmers income. Diversification in agriculture and adoption of subsidiary occupations would lead to sustainable income for farmers. For this purpose, regular interactions among scientists and farmers are needed, he said. Dr. R. B. Deshmukh, Former Vice Chancellor, MPKV, Rahuri in his address said that in view of new challenges in agriculture, there is a need for developing pest and disease resistant crop varieties which can also withstand the rising temperature and water scarcity. Vice Chancellor Dr. Viswanatha in his presidential address underlined the objectives of organizing the Agro Tech Fest for the benefit of farmers. Dr. Rasal gave the welcome and introductory remarks. Dr. Pallavi Suryavanshi anchored the programme, while, Dr. J. D. Jadhav proposed thanks. An exhibition and demonstrations were organized during this period. Farmers, staff and students were present for the function.

36. Dr. Viswanatha assumes charge of Vice Chancellor of Dr. BSKKV, Dapoli



September 1, 2018. Dr. K. P. Viswanatha, Vice Chancellor of MPKV, Rahuri assumed the charge of Vice Chancellor of Dr. Balasaheb Saawnt Konkan Krishi Vidyapeeth, Dapoli on 1st September, 2018. The

additional charge of Vice Chancellor of DBSKKV, Dapoli was entrusted to Dr. Viswanatha as per the letter from Hon'ble Governor of Maharashtra. This was due to the resignation of Dr. Tapas Bhattacharya, former Vice Chancellor of DBSKKV, Dapoli.

37. Centre for Excellence for Nutri Cereals sanctioned to MPKV

September 28, 2018. A Centre for Excellence for Nutri Cereals has been sanctioned to MPKV, Rahuri. This was announced by Shri. Radhamohan Singh, Hon'ble Union Minister for Agriculture and Farmers Welfare, Govt. of India, New Delhi at a function organized at VAMNICOM, Pune. Vice Chancellor Dr. K. P. Viswanatha attended the function on Nutri Cereals. MPKV has developed good varieties of nutri cereal crops like bajra, sorghum, finger millet etc. Several technology recommendations have also been released for the farmers.

38. Opening Ceremony of Golden Jubilee Programme of Dr. ASCAE & T organized



September 4, 2018. A One day workshop on Dairy and Food Engineering was organized on eve of the Golden Jubilee Programme of Dr. Annasaheb Shinde College of Agril. Engg. & Technology at MPKV, Rahuri. Dr. Budhajirao Mulik, President, Bhumata Trust, Pune was the Chief Guest for the function. Vice Chancellor Dr. K. P. Viswanatha presided over



the function. Dr. A. L. Pharande Dean, Faculty of Agriculture, Dr. S. R. Gadakh, Director of Research, Dr. D. D. Pawar, Registrar and Associate Dean, Dr. ASCAE & T, Former Associate Deans of the college Dr. H. G. More and Dr. P. A. Turbatmath, Shri. Vijay Kote, Comptroller, Dr. M. G. Shinde, President, Alumini Association were present on the dias. The Chief Guest Dr. Mulik reminded of the history of the college. He further said that there is a lot of scope for innovations in hydroponics, GIS, GPS, aquaponics, nano technology, precision farming, remote sensing and automation. Technology is fast changing and we have to update with the present knowledge. The role of Agril. Engineers in value addition and genetic engineering is important, he said. Dr. Viswanatha in his presidential address said that this is 50 years of long journey not only for the Engineering college but the university as well. Special milestones and landmarks have been set. The role of alumini in providing guidance and direction to the students is important and we need to join together for the welfare of farmers. Dr. Pawar welcomed the dignitaries and said that this is a special occasion for the college. Dr. Pharande, Dr. Gadakh and Dr. More offered their remarks and complimented the alumini, staff and students on this occasion. Dr. Sunil Kadam anchored the programme, while, Dr. M. G. Shinde expressed thanks. Er. Ravindra Mahajan, Er. Ramdas Londhe and Er. Jayesh Shah guided the staff and students during the workshop.

39. Teachers Day celebrated

September 5, 2018. The Teachers Day was celebrated in the university on the occasion of the birth anniversary of former President of India Dr. Sarvepalli Radhakrishnan. Dr. M. C. Varshneya, Former Vice Chancellor, AAU, Anand and Kamdhenu University, Gandhinagar, Gujarat was the Chief Guest



for the function. Vice Chancellor Dr. K. P. Viswanatha presided over the function. Dr. D. D. Pawar, Registrar and Associate Dean, Dr. ASCAE & T, Dr. R. S. Patil, Associate Dean, PGI and Heads of Departments were present on the dias. In his address Dr. Varshneya elaborated the incidences in the life of the great teacher Dr. Radhakrishnan. Our country had a great tradition of student-teacher relationship in the past which must be strengthened for the future. Good and quality education is important for shaping the students career and hence we need to concentrate on this aspect, he said. Vice Chancellor Dr. Viswanatha in his address said that Dr. Radhakrishnan was a great scholar of India. We need to follow his ideals and remember our teachers. Teachers have an important role in grooming the students to become good scientists and citizens, he said. Dr. R. S. Patil introduced the Chief Guest. Dr. D. D. Pawar proposed thanks. Student Atharva Shinde anchored the programme. Staff and students were present in large number for the function.

40. Bamboo Workshop organized in Pune

September 15, 2018. A workshop on Bamboo Cultivation for Sustainable Income was organized by the university at College of Agriculture, Pune in coordination with Bamboo Society of India and Maharashtra Vriksha Sanvardhini on the occasion of International Bamboo Day. Shri. Pradip Rawat, Chairman, National Shipping Board, New Delhi.



Vice Chancellor Dr. K. P. Viswanatha, Directors Dr. K. D. Kokate, Dr. S. R. Gadakh, Shri. Sunil Bhide of *Maharashtra Vriksha Sanvardhini* and Dr. Hemant Bedekar, Dr. Nachiket Thakur of Bamboo Society of India and Associate Dean Dr. P. N. Rasal were present for the programme. In his address, Shri. Rawat said that inspite of huge advantages, the bamboo plant has been neglected. Hence, he called for efforts on awareness of commercial bamboo cultivation for the benefit of farmers. He further said that research on bamboo varieties is required for competing in global market. Vice Chancellor Dr. K. P. Viswanatha and Dr. Bedekar also addressed the gathering.

41. Training Programme on IPR organized

September 26, 2018. A one day training programme on Importance of Intellectual Property Rights (IPR) in Agricultural Research and Education was organized by the Directorate of Research in the university. Vice Chancellor Dr. K. P. Viswanatha, Director of Extension Education Dr. K. D. Kokate, Dean, Faculty of Agriculture Dr. A. L. Pharande, Director of Research Dr. S. R. Gadakh, Comptroller Shri. Vijay Kote were present on the dias. Prof. Ganesh Hingmire, Director, Great Mission Group Consultancy, Pune addressed the scientists and staff on the vital issue of IPR. Prof. Hingmire guided on issues of IPR like filing of patents, benefits of patenting, Microsoft Spy Patent Application, copyrights, Geographical Indication, categories of IPR



and career options in IPR. He discussed these topics with examples. IPR is important not only in academic and research sector but essential for transfer of technology, he asserted. Vice Chancellor Dr. Viswanatha said that 'Phule' is to be registered as a trademark of MPKV. We need to prioritize our ongoing research, he said. There is a need to have uniqueness for the IPR products and the scientists would be encouraged for filing the patents. Dr. V. R. Shelar anchored the programme. Dr. R. W. Bharud, Head, Department of Botany proposed thanks.

42. Training programme on Fruits and Vegetables Processing concluded

September 26, 2018. The thirty days 36th training programme on Fruits and Vegetables Processing was concluded at the hands of Vice Chancellor Dr. K. P. Viswanatha. Dr. K. D. Kokate, Director, Extension Education, Dr. A. L. Pharande, Dean, Faculty of Agriculture, Dr. S. R. Gadakh, Director of Research, Dr. R. S. Patil, Associate Dean, PGI and Dr. U. D. Chavan, Head, Department of Food Science and Technology. While guiding the trainees, Vice Chancellor Dr. Viswanatha said that processing of fruits and vegetables is possible through group approach. Hence, youths should come forward for starting this business. Farmers Producer Organizations may also initiate the value addition of fruits and vegetables. The processed products have a good market especially in the urban



areas. This would add to the income of farmers, he said. A manual on fruits and vegetables processing was released on this occasion. Dr. Chavan gave the welcome and introductory remarks. The trainees expressed their views and feedback on training. Certificates were awarded to the trainees. Dr. Pramod Kotecha anchored the programme, while, Prof. Sudhir Lande gave vote of thanks. Thirty trainees participated in the month long programme. The Heads of Departments Dr. Bharud, Dr. Naik and Dr. Deokar, staff and trainees were present on this occasion.

43. Training Programme on RKVY-HORTSAP organized



September 3-4, 2018. A two day Training Programme on Rashtriya Krishi Vikas Yojana (RKVY) - HORTSAP was organized at MPKV, Rahuri. Director of Research Dr. S. R. Gadakh inaugurated the programme. Dr. R. S. Patil, Associate Dean, PGI, Dr. C. D. Deokar, Head, Department of Plant pathology and Microbiology and Dr. A. M. Narute, Professor of Plant Pathology were present on this occasion. Dr. Gadakh in his inaugural address said that

Maharashtra is a horticultural state. Farmers are growing fruit crops amidst water scarcity with the help of farm ponds. But they are facing several pest and disease problems. These problems could be countered through proper advisory at the right time through HORTSAP which has a major role in the state. Advisories on plant protection as well as on quality parameters and reducing the cost of cultivation through HORTSAP would benefit the farmers, he hoped. Dr. R. S. Patil in his address said that the HORTSAP is a good project in view of climate change. He hoped that the training would benefit the participants for knowing the severity of diseases and guiding the farmers. Dr. C. D. Deokar gave the introductory remarks and briefed about the project. Dr. K. S. Raghuwanshi, PI of the project anchored the programme, while, Dr. A. M. Navale proposed thanks. The Data Operators and Agril. Assistants of Department of Agriculture participated in this training programme.

44. Participation of scientists in International Conference at Kathmandu



September 20-23, 2018. Vice Chancellor Dr. K. P. Viswanatha and the university scientists participated in the International Conference on Doubling the Income of Farmers of SAARC Countries: Extension Strategies and Approaches organized by International Society of Extension Education, Nagpur, Maharashtra and Nepal Agriculture Extension Association, Nepal in

collaboration with MANAGE, Hyderabad, Karnataka Chapter of ISEE, Bangalore, Karnataka and Maharashtra Society of Extension Education, Akola at Kathmandu, Nepal. The conference was inaugurated by the Hon'ble Prime Minister of Nepal Shri. Khadga Prasad Sharma Oli. Vice Chancellor Dr. Viswanatha was the key speaker for the topic Doubling the farmers income in Maharashtra: Scope and strategies. Social scientists Dr. M. C. Ahire, Dr. V. S. Shirke, Dr. S. B. Shinde, Dr. G. K. Sasane, Dr. P. B. Kharde, Dr. C. A. Nimbalkar, Dr. J. H. Gaikwad, Dr. S. D. Patil also participated in the conference and presented their papers.

OCTOBER-2018

45. KISAN AADHAR SAMMELAN-2018 organized at MPKV, Rahuri

October 15-18, 2018. A mega event of Kisan Aadhar Sammelan-2018 with the moto on Doubling of farmers income by 2022 was organized at the Mahatma Phule Krishi Vidyapeeth, Rahuri during October 15-18, 2018 in collaboration with Department of Agriculture, M.S. and Agriculture Technology Management Agency (ATMA), Ahmednagar. The event comprised of Live Crop Demonstrations, Agriculture and Animal Exhibition and Farmers-Scientists Interactions.

Inauguration of Kisan Aadhar Sammelan-2018



October 15, 2018. The Kisan Aadhar Sammelan-2018 was inaugurated at the auspicious

hands of Shri. Chandrakant (Dada) Patil, Hon'ble Minister of Revenue, Relief and Rehabilitation and Public Works (Excluding Public Enterprises), Agriculture and Horticulture, M.S. and Pro Chancellor, MPKV, Rahuri on 15th October, 2018. Prof. Shri. Ram Shinde, Hon'ble Minister of Water Conservation, Protocol, VJ, NT, SBC, OBC Welfare, M.S. and Guardian Minister, Ahmednagar district presided over the function. Shri. Sanjay Dhotre, Hon'ble Member of Parliament and Vice Chairman, Maharashtra Council of Agriculture Education and Research (MCAER), Pune and Mrs. Shalinitai Vikhe Patil, Hon'ble President, Zilla Parishad, Ahmednagar were the guests of honour. Vice Chancellor Dr. K. P. Viswanatha, Shri. Dilip Gandhi, M.P., Ahmednagar, Shri. Shivajirao Kardile, M.L.A., Shri. Sacchindra Pratapsinh, Commissioner, Agriculture, M.S., Shri. Chandrashekhar Kadam, Vice President, Shri. Saibaba Sansthan, Shirdi, Shri. Rahul Dwivedi, District Collector, Ahmednagar and university Executive Council members Dr. Bhaskar Patil, Mrs. Sunita Patil, Shri. Nathaji Chougule, Dr. Pankajkumar Mahale and Dr. Vijayprakash Thombre were present on the dias. Former Vice Chancellors Dr. S. S. Magar, Dr. K. E. Lawande, Directors Dr. K. D. Kokate, Dr. A. L. Pharande, Dr. S. R. Gadakh, District Supd. Agril. Officer Shri. Pandit Lonare, Associate Director of Research Dr. V. D. Shende, experts, Heads of Departments, scientists and farmers were present on this occasion.



In his inaugural address Shri. Chandrakant (Dada) Patil emphasized on the development of small agricultural holders and particularly the dry land farmers. He highlighted the efforts of Central and State Government for the betterment of farmers. The State Agricultural Universities have a great role in controlling the migration of rural youth to the urban areas which are already burdened for providing the basic amenities. The Government is taking appropriate measures to combat the famine, he said. Soil testing is important for judicious use of fertilizers and hence the farmers need to be trained on this aspect, he added. Shri. Patil lauded the efforts of MPKV in organizing the Kisan Aadhar Sammelan and complimented its contribution for the agricultural development.



In his presidential address, Prof. Ram Shinde stressed the need for reducing the cost of crop production. Sufficient quantity of fodder and support would be provided to the dairy farmers, he said. He also said that we need to take efforts for doubling the farmers income and providing them a sustainable source of income. He complimented the university for its Golden Jubilee celebrations of its establishment. Shri. Sanjay Dhotre in his address appreciated the contribution of MPKV in majority of the agricultural research areas related to dry land, cereals and pulses crops, fruits, vegetables, forage etc. Concerted efforts for doubling

of farmers income is required, he opined. He called for nutritional security and funding for organic farming. Mrs. Shalinitai Vikhe Patil in her address said that support to the farmers in difficult period is very much required and congratulated the university on the occasion of its Golden Jubilee. Shri. Sacchindra Pratapsinh said that challenges in agriculture are enormous but SAUs and Department of Agriculture would make joint efforts to combat them.



At the outset Vice Chancellor Dr. K. P. Viswanatha in his introductory remarks narrated the objectives of organizing the Kisan Aadhar Sammelan. He hoped that the crop demonstrations, agriculture exhibition and interactions would certainly benefit the farmers. Dr. K. D. Kokate, Director, Extension Education expressed thanks. Dr. A. V. Solanke anchored the programme. Dr. R. D. Bansod and Dr. M. R. Chouhan recited the welcome and agricultural songs, respectively. Farmers in large number were present for this function.

46. Visit of dignitaries to Kisan Aadhar Sammelan-2018

October 17, 2018. Shri. Mahadeo Jankar, Minister of Animal Husbandry, Dairy Development and Fishery Development, M.S. and Shri. Pasha Patel, Chairman, Agriculture Price Commission, M. S. visited the Kisan Aadhar Sammelan-2018 and addressed the farmers. Dr. R. B. Deshmukh, Former Vice Chancellor,



MPKV, Rahuri was the chairman for this session. Vice Chancellor Dr. K. P. Viswanatha, Dr. M. C. Varshneya, Former Vice Chancellor, Anand Agriculture University, Anand and Kamdhenu Veterinary University, Gujarat, Directors Dr. K. D. Kokate, Dr. A. L. Pharande, Dr. S. R. Gadakh, Dr. D. P. Waskar, VNMAU, Parbhani and Dr. D. B. Yadav, Head, Department of Agriculture Economics were present on the dias. In his address Shri. Mahadeo Jankar said that we need to strive for attaining the objective of doubling the farmers income. The dairy business has flourished in the state and Government is making efforts for supporting the farmers, he said. Farmers are attracted towards the deshi cows, hence, the Government is thinking of providing 50 percent subsidy to them. The fishery component is another good subsidiary business for sustainable income. Thus, fish ponds could generate employment for the youth, he said.



Shri. Pasha Patel in his address put forward the genesis of Agriculture Price Commission in the state.

Cotton and Soyabean are the major crops grown by the farmers especially in Marathwada and Vidarbha. The Government has increased the minimum support price for both these crops and ultimately farmers would be benefited. We import edible oil from other countries to the tune of Rs. 68000 crores annually and thus self sufficiency in edible oil is very much necessary, he said. Dr. R. B. Deshmukh in his presidential address appreciated the research contribution of MPKV especially in development of varieties of forage and grasses. Dairy along with poultry and fishery are a regular source of income to the farmers and thus we need to strengthen them. Dr. Varshneya said that adulteration in milk should be stopped for quality production and health aspects. Animal health cards are very much required like that of Soil health cards, he suggested. The Co Chairman Dr. K. D. Kokate in his remarks said that profitability is important for the farmers. Thus, crop planning along with integrated farming system modules are important. Dr. P. S. Bodke anchored the programme, while, Dr. P. L. Kulwal expressed thanks. Large number of farmers were present on this occasion.

47. Experts guidance during Farmers-Scientists Interactions



October 16, 2018. Shri. Popatrao Pawar, Executive President, Adarsha Gaon Yojana, M. S. addressed the farmers during the technical session on Watershed

Development and Management. Dr. K. P. Gore, Former Vice Chancellor, VNMAU, Parbhani presided over this session. Vice Chancellor Dr. K. P. Viswanatha, Co Chairman and Dean, Faculty of Agriculture Dr. A. L. Pharande, Director of Research Dr. S. R. Gadakh, Registrar Dr. D. D. Pawar were present on the dias. In his address Shri. Popatrao Pawar narrated the success story of Hiware Bazar. He said that the peoples involvement in any Government scheme is of utmost importance. Local self governance is the key to success. Since the state's majority area is drought prone, the management of available irrigation water is important. Important village institutes like Cooperative societies, Market committes, Credit societies should sustain through proper management since they are the pillars of village and agriculture development. Crop planning and water budgeting are vital for overcoming the challenges of water scarcity, he said. Various Government schemes are needed to be implemented in an integrated manner to derive the benefits. Soil and water are an integral part of crop production and agriculture in general, he said. Dr. K. P. Gore in his presidential address said that every year we loose thousand of tonnes of soil due to erosion. There is deficiency of 40 percent nutrients in the soil which need to be looked upon. An integrated approach for soil and water is needed, he stressed. Dr. V. N. Barai anchored the programme, while, Dr. P. L. Kulwal thanked the dignitaries.



October 15, 2018. Shri. Vilas Shinde, Executive Director, Sahyadri Farmers Company, Pvt. Ltd., Mohadi, Nasik addressed the farmers during the technical session on Farmers Producers Company & Fruit and Vegetable processing. Dr. K. E. Lawande, Former Vice Chancellor, DrBSKKV, Dapoli presided over the technical session. Dean, Faculty of Agriculture Dr. A. L. Pharande, Co Chairman and Registrar Dr. D. D. Pawar, Heads of Departments Dr. M. C. Ahire, Dr. U. D. Chavan and Dr. K. J. Kamble were present on the dias. Shri. Vilas Shinde while addressing the farmers called upon group farming by the farmers. Fruit crops which can reduce the cost of cultivation may be preferred by the farmers for cultivation, he said. Farmers could earn more in processing of fruit crops like grapes, pomegranate, banana, orange, sweet orange, mango etc. since it has a great demand for export to foreign countries. Dr. Lawande in his chairman's remarks said that the major challenge before us is how to retain the youth in agriculture. The second challenge is how to make agriculture more profitable. Hence, group farming, establishment of Farmers Producer Company are some of the alternatives that we need to think and act upon. Dr. Shrikant Kulkarni anchored the programme.



October 16, 2018. A technical session on Water Resources and Irrigation Management was chaired by

Dr. S. S. Magar, Former Vice Chancellor, DrBSKKV, Dapoli. During the session Shri. Vijayanna Borade, Trustee, Marathwada Sheti Sahhaya Mandal, Jalana in his address said that soil and water are vital components of production but we are neglecting their importance. Bunding is required in rainy season when lot of soil is lost. Every drop of rain water need to be harvested adequately. Effective watershed development can overcome water scarcity and drought, he emphasized. Shri. Popatrao Sankpal, Chairman, Water Supply Organization, Bambwade, District. Sangli emphasized on water availability to crops as per their requirement. Farmers need to take advantage of farm pond scheme of the Government and bring their farm under drip irrigation, he said. Shri. Narayan Hegde, Trustee, BAIF, Pune addressed on A1 and A2 types of milk. Shri. Arun Deshmukh of NetaFim irrigation company guided on advanced irrigation systems. Dr. S. A. Kadam anchored the programme, while, Dr. V. N. Barai proposed thanks.



October 17, 2018. Dr. V. M. Mayande, Former Vice Chancellor, DrPKV, Akola chaired the session on Advanced Climatesmart Agricultural Technologies, Mechanization and Animal, Fishery Management. Vice Chancellor Dr. K. P. Viswanatha, Directors Dr. K. D. Kokate, Dr. A. L. Pharande, Dr. S. R. Gadakh, Associate Dean, PGI, Dr. P. A. Turbatmath, Heads of Department Dr. Y. G. Fulpagare, Dr. S. S. Nalawade and Dr. T. B. Bastewad were present on the dias. In

his address, Dr. Mayande highlighted the importance of farm machinery and implements in agriculture. Group farming and custom hiring of implements can solve the labour shortage in farming. There is a need to develop machines for post harvest management, he said. Dr. M. C. Varshneya, Former Vice Chancellor, Anand Agriculture University, Anand and Kamdhenu Veterinary University, Gujarat addressed on the research needed in view of changing climate. Er. Bharat Patil, President, Agriculture Implements Manufacturer Association, M.S. guided on various implements developed for farm mechanization. Dr. P. E. Shingare, Scientist, Fish Research Centre, Mumbai addressed on fishery as a profitable business. Dr. Shantaram Gaikwad, General Manager, Govind Dairy, Phaltan addressed on advanced dairy business.

October 18, 2018. The last technical session on Protected Floriculture and Vegetable Cultivation was chaired by Dr. T. A. More, Former Vice Chancellor, MPKV, Rahuri. While addressing the farmers Shri. Dnyaneshwar Bodkhe, Chairman, Abhinav Farmers Club, Pune shared his experiences on cultivation and marketing of European vegetables. He said that the members of his club are growing organic vegetables in shadenet and supplying directly to the consumers in the Cooperative Housing Societies in Pune as per demand. He appealed to the agricultural graduates to establish these type of farming business and come forward as an entrepreneur. Progressive farmer and member of Extension Education Council of the university Shri. Rajaram Chaudhary elaborated his experiences on flower cultivation. A small holder farmer can successfully go for flower cultivation and ensure profit, he said. Dr. More in his presidential remarks said that the protected cultivation of vegetables and flowers is turning as a profitable venture and hence attracting the unemployed youth. But the constraints



in protected cultivation like high initial cost, control of white fly, nematodes, hailstorm need to be addressed, he said. Dr. S. A. Ranpise, Co Chairman and Associate Dean, Lower Agril. Education and Associate Deans Dr. S. B. Kharbade, Dr. G. G. Khot, Dr. A. M. Musmade and Dr. S. D. Masalkar were present on the dias. Dr. P. L. Kulwal anchored the session.

48. Concluding of Kisan Aadhar Sammelan - 2018



October 18, 2018. The Kisan Aadhar Sammelan-2018 concluded on the auspicious day of Dasera. Vice Chancellor Dr. K. P. Viswanatha presided over the function. Directors Dr. K. D. Kokate, Dr. A. L. Pharande, Dr. S. R. Gadakh, Associate Dean, PGI Dr. P. A. Turbatmath were present on the dias. In his presidential address Vice Chancellor Dr. Viswanatha thanked the staff and employees for organizing the event in an appropriate manner on the occasion of Golden Jubilee of the university. He said that thousands of farmers, extension personnel, students and visitors visited the Kisan Aadhar Sammelan and they would certainly be benefited. Dr. Kokate thanked the Department of Agriculture and ATMA for their cooperation in organizing the event. Dr. Pharande hoped that the event would benefit the students and motivate their entrepreneurial abilities. Dr. Gadakh

said that this unique event would help to reduce the gap between the university and farmers. Dr. Parag Haldankar, Director of Research, DrBSKKV, Dapoli said that such type of event would help to raise the confidence of farmers and support them. Progressive farmer and member of Farmer-Scientist Forum from Nandurbar Shri. Himmatrao Mali while expressing his reaction said that the event has benefited him in terms of transfer of technology and found new avenues for sustainable income to the farmers. Progressive farmer Shri. Sursingrao Pawar in his remarks said that the university had presented a golden opportunity to the farmers in the form of Kisan Aadhar Sammelan. Dr. S. D. Gorantiwar and Dr. P. S. Bodke anchored the programme, while, Dr. P. L. Kulwal proposed thanks. Farmers and university staff were present on this occasion.

49. Live Crop Demonstrations



Crop demonstrations on over 100 acres were organized for the benefit of farmers during the Kisan Aadhar Sammelan-2018. It included demonstrations on cereals, pulses, oilseeds, forage, vegetables, flowers and cash crops. In all demonstrations of 45 crops and 131 varieties were planted in the cafeteria. In addition demonstrations on advanced irrigation methods, mole plough, soil testing, vermiculture, cultivation of dragon

fruit, vegetable and flower cultivation in shadenet, apiculture, integrated pest management, biocontrol, drone spraying were also organized on this occasion. Major attraction of this event was the Integrated Farming System model on farmers field of Shri. Chandrakant Adsure and Shri. Uttam Adsure.

50. Agriculture Exhibition



An Agriculture Exhibition was organized during the Kisan Aadhar Sammelan-2018. It included 124 stalls. Both the Government organizations and private companies showcased their technologies in the exhibition. This included stalls on agriculture inputs, improved agriculture implements, processing, subsidiary occupations, mushroom production, medicinal and aromatic plants, publications etc. The animal component included indigenous and improved breeds of cattle, goat, sheep, poultry, dogs and horses. The Government schemes of Department of Agriculture, ATMA, Zilla Parishad and all technologies were exhibited in the event. One of the major attractions of the exhibition was the showcasing of products from demonstrations and IFS model through the ICAR Farmers FIRST programme where the farmers and farm women gave information to the visitors.

51. Farmers-Scientists Interactions

Farmers-Scientists interactions were organized during the Kisan Aadhar Sammelan-2018. The major



themes included Farmers Producers Company and Fruit and Vegetable processing, Watershed Development and Management, Water Resources and Irrigation Management, Agriculture Economics and Agriculture Price Fixation, Advanced Climate smart Agricultural Technologies, Mechanization and Animal, Fishery Management and Protected Floriculture and Vegetable Cultivation. Experts and scientists interacted with the farmers. Former Vice Chancellors Dr. S. S. Magar, Dr. R. B. Deshmukh, Dr. M. C. Varshneya, Dr. K. E. Lawande, Dr. V. M. Mayande, Dr. K. P. Gore, Dr. T. A. More presided over these interactions. Eminent speakers and experts like Shri. Popatrao Pawar, Shri. Vilas Shinde, Shri. Vijayanna Borade, Shri. Popatrao Sankpal, Shri. Bharat Patil, Shri. Dnyaneshwar Bodkhe, Shri. Rajaram Chaudhary guided the farmers during the interactions.

52. Press Conference



October 10, 2018. Vice Chancellor Dr. K. P. Viswanatha briefed about the Kisan Aadhar Sammelan-2018 to the press media during the Press Conference organized at MPKV, Rahuri and appealed for more participation of farmers, students, entrepreneurs, stakeholders in the event. The Department of Agriculture has planned for farmers visit to the event, he said. Directors Dr. K. D. Kokate, Dr. A. L. Pharande, Dr. S. R. Gadakh, Registrar Dr. D. D. Pawar, Comptroller Shri. Vijay Kote, University Engineer Shri. Milind Dhoke, Associate Dean, PGI Dr. P. A. Turbatmath, Head, Department of Extension Education Dr. M. C. Ahire were present on this occasion. Dr. P. B. Kharde, Officer Incharge, Communication Centre welcomed all and Dr. S. S. Sadaphal proposed thanks. More than thirty print media and electronic media reporters attended the press conference.

53. Zonal Agricultural Research and Extension Interface organized



October 15, 2018. The Zonal Agricultural Research and Extension Advisory Committee meeting for Rabi and Summer 2018-19 was organized at the Mahatma Phule Krishi Vidyapeeth, Rahuri in collaboration with Department of Agriculture, M.S. Vice Chancellor Dr. K. P. Viswanatha presided over the meeting. Shri. Sacchindra Pratapsinh, Commissioner, Agriculture, M. S., Dr. K. D. Kokate, Director, Extension Education, Dr. S. R. Gadakh, Director of

Research, Dr. P. N. Pokle, Director, Horticulture, M.S., Joint Directors of Agriculture Shri. Dilip Zhende, Shri. Dashrath Tambale, Shri. Ramesh Bhadane, Associate Deans Dr. S. B. Kharbade, Dr. G. G. Khot, Dr. R. R. Suryavanshi and Associate Director of Research Dr. V. D. Shende were present on the dias. Vice Chancellor Dr. K. P. Viswanatha in his presidential address said that rainfall is below the normal this year and hence efforts are needed to guide the farmers on judicious use of available irrigation and contingency cropping. He said that the nutricereals are the best drought tolerant crops and farmers need to be supported for value addition, processing and marketing. Farmers are required to be trained on utilization of organic manure and importance of organic carbon. Crop productivity and soil health are very much related and hence massive awareness programme is required, he said. Shri. Sacchindra Pratapsinh in his address called for research on improving the shelf life of onion. All the research recommendations are needed to be uploaded on website for the benefit of farmers. Farmers are needed to be made aware of these recommendations. Control measures on white grub are required, he said. Dr. K. D. Kokate, Director, Extension Education gave the introductory remarks and made a presentation on extension activities. Dr. V. D. Shende, ADR presented the new crop varieties and recommendations released by the university. Dr. D. S. Pokharkar, Head, Department of Entomology gave a presentation on Integrated management of white grub. Associate Directors of Research, Crop Specialists, scientists, KVKs, Regional and District Extension Centres and officers of Department of Agriculture participated in the discussions. Dr. V. D. Shende welcomed the participants, while, Dr. P. B. Kharde proposed vote of thanks. Dr. B. A. Deshmukh anchored the programme.

54. State level Seminar organized



October 30-31, 2018. A two day State level Seminar on Fostering Soils to Meet Emerging Challenges in Agriculture was organized by MPKV, Rahuri in collaboration with the Indian Society of Soil Science, Rahuri Chapter and Department of Soil Science and Agriculture Chemistry. Dr. Sureshkumar Chaudhary, Assistant Director General (NRM), ICAR, New Delhi was the chief guest for the inaugural function. Vice Chancellor Dr. K. P. Viswanatha presided over the function. Dr. Ashok Dhawan, Vice Chancellor, VNMAU, Parbhani was the Guest of Honour. Dr. K. D. Kokate, Director of Extension Education, Dr. A. L. Pharande, Dean, Faculty of Agriculture, Dr. S. R. Gadakh, Director of Research, Dr. Harihar Kausadikar, Director of Research, MCAER, Pune, Dr. D. D. Pawar, Registrar, Dr. P. A. Turbatmath, Associate Dean, PGI, Dr. Ashok Kadlag, President, RC, ISSS and Head, Department of Soil Science and Agriculture Chemistry and Dr. Nitinkumar Ranshur, Secretary, Rahuri Chapter were present on the dias. Dr. Chaudhary in his address to the soil scientists stated that there is an urgent need to work on soil pollution. Garbage disposal has become a major problem in the cities. Pollution in the soil is thereby increasing which has affected the human and animal health. Utilization of chemical fertilizers to the tune of 160 kg/ha. in our country has resulted in imbalance of nutrients, which needs attention. Thus, farmers need to be made aware of its ill effects and accordingly the soil scientists may redirect their research towards this

issue, he said. Vice Chancellor Dr. Viswanatha in his presidential address asserted the importance of soil and water in the human life. Organic carbon needs to be enhanced in the soil for adequate soil health. The farm waste instead of burning need to be decomposed in the soil, he said. Dr. Dhawan in his speech said that there is a lot of stress on the available land due to various reasons. The available land holding is shrinking due to urbanization which is a cause of concern. The souvenir was released on this occasion. Dr. S. D. More, Former, Director, extension Education. VNMAU, Parbhani was bestowed with the Lifetime Achievement Award, Dr. Ashok Kadlag, Head, Department of SS&AC, MPKV, Rahuri was conferred with the *Mrudgandh* Award and Dr. P. B. Jagtap, Assistant Professor of SS&AC, NARP, Pune was felicitated with the late Mrs. Usha Zhende Award on this occasion. Dr. B. D. Bhakre anchored the programme, while, Dr. Ranshur expressed thanks. More than 200 soil scientists participated in the seminar.

55. Agro Technology Day organized at Dhule



October 7, 2018. An Agro Technology Day and Exhibition was organized at College of Agriculture, Dhule in coordination with Department of Agriculture, ATMA and Krishi Vigyan Kendra, Dhule to celebrate the Golden Jubilee of the university. Vice Chancellor Dr. K. P. Viswanatha presided over the function. Prof. Sharad Patil, Former MLA, Dr. Pankajkumar Mahale, Executive Council member, Dr. K. D. Kokate, Director, Extension Education, Dr. S. R. Gadakh, Director of Research, Dr. A. M. Musmade,



Associate Dean, AC, Dhule, Shri. Vivek Sonawane, District Supd. Agril. Officer, Shri. Narendra Patil, Extension Education Council member, Adv. Prakash Patil were the dignitaries present on the dias. Vice Chancellor Dr. Viswanatha highlighted the role of subsidiary occupations like goatary, poultry, apiculture in doubling the farmers income. The goat rearing is a sort of ATM to the farmers and farm women, he said. He informed about the university efforts for afforestation and clean, green university campaign. Considering the importance of soil health, he said that soil testing is a must and accordingly the application of fertilizers need to be done by the farmers. Prof. Sharad Patil, Dr. Kokate, Dr. Gadakh, Shri. Sonawane, experts and progressive farmers also addressed on this occasion. Dr. Musmade gave the introductory remarks. The exhibition was inaugurated at the hands of Vice Chancellor Dr. Viswanatha. Various publications were released during the function. Prof. Jagdish Kathepuri anchored the programme, while, Dr. Murlidhar Mahajan proposed vote of thanks. Dr. D. R. Nandre, Head and Principal Scientist, KVK, Dhule, scientists, staff, officers of Agriculture Department and farmers attended the programme.

56. State level Custard Apple conference organized



October 7, 2018. The XVth State level Custard Apple conference was organized in the university in coordination with the Maharashtra Custard apple Growers Training and Research Association and

Department of Agriculture, M.S. Shri. Sanjay Dhotre, Hon'ble Member of Parliament and Vice Chairman, Maharashtra Council of Agriculture Education and Research (MCAER), Pune was the Chief Guest on this occasion. Vice Chancellor Dr. K. P. Viswanatha presided over the inaugural function. Shri. Vijay Kolte, Former Vice Chairman, MCAER, Pune, Dr. K. D. Kokate, Director of Extension Education, Dr. S. R. Gadakh, Director of Research, Dr. D. P. Waskar, Director of Research, VNMAU, Parbhani, Shri. Shyam Gattani, Chairman, Custard apple Growers Association, Dr. D. D. Pawar, Registrar and Dr. S. A. Ranpise, Associate Dean, LAE were present on the dias. Vice Chancellor Dr. Viswanatha in his presidential speech said that the custard apple cultivation in Maharashtra has gone upto 13000 ha. It is an important dryland fruit crop which needs attention. Research on post harvest management of custard apple is very much needed by considering its keeping quality, he said. Shri. Dhotre in his address highlighted the nutritional qualities of custard apple. More research on its medicinal properties is needed, he added. Shri. Gattani gave the introductory remarks. Scholarship was conferred to the Ph. D. student Kunal Mahurkar working on custard apple, Shri. Dnyandeo Mahanor was awarded the *Udyojak Puraskar* and Dr. Vinayak Joshi was felicitated with the Research Award for his contribution to custard apple research. Dr. Shrikant Kulkarni anchored the programme, while, Shri. Anil Bonde proposed thanks. Farmers were guided on various aspects of custard apple by the experts during the technical sessions.

57. Field Day organized at ZARS, Igatpuri

October 23, 2018. A Field Day and Farmers Training was organized at the Zonal Agriculture Research Station, Igatpuri in coordination with Department of Agriculture and ATMA, Nasik on



the occasion of the Golden Jubilee celebrations of MPKV, Rahuri. Dr. K. D. Kokate, Director, Extension Education, Dr. S. R. Gadakh, Director of Research, Shri. Sanjeev Padwal, District Supd. Agril. Officer, Dr. V. D. Shende, Associate Director of Research, MPKV, Rahuri, Dr. D. V. Kusalkar, Associate Director of Research, ZARS, Igatpuri Dr. Kusalkar welcomed all and gave the introductory remarks. Dr. Kalyan Deolankar guided on paddy cultivation technology, Dr. Kailas Bhoite on Nagli and minor millets, Dr. Yogesh Patil on nutrient management of paddy, nagli and minor millets, Dr. Suresh Pardeshi on plant protection of paddy, nagli and minor millets and Shri. Kailas Shirsath on various schemes of Agriculture Department. Dr. Yogesh Patil anchored the programme, while, Dr. B. D. Romade expressed thanks. Farmers in large number participated in the programme.

58. 21 day Training Programme organized in Pune

October 16, 2018. A 21 day Training Programme on Advanced Crop Micro Meteorology was organized during September 26 to October 16, 2018 by the Department of Agro Meteorology at College of Agriculture, Pune in coordination with the Indian Council of Agricultural Research, New Delhi. The valedictory programme was organized in presence of Dr. M. C. Varshneya, Former Vice Chancellor, Anand Agriculture University, Anand and Kamdhenu



Veterinary University, Gujarat. Associate Dean Dr. P. N. Rasal presided over the programme. In his address Dr. Varshneya emphasized on analysing the meteorological statistical information and advise the farmers accordingly in view of climate change scenario. The trainees require to update their knowledge through such trainings, he said. Dr. Rasal while guiding the trainees said that they need to utilize their skill and knowledge for the benefit of farmers. He hoped that the training would be helpful to them. Dr. J. D. Jadhav, Head, Department of AgroMeteorology briefed about the training programme. A publication was released on this occasion. The trainees Dr. Dinesh Kumar from Gujarat and Dr. Pravin Chavhan from Maharashtra presented their feedback regarding the training. Dr. S. D. Masalkar, Principal, College of Horticulture, Pune, Dr. V. S. Supe, ADR, Ganeshkhind, Pune and staff, trainees were present for the programme. Certificates were awarded to the trainees. Dr. A. A. Shaikh anchored the programme, while, Dr. Vijay Sthool proposed thanks.

59. Capacity Development programme on Leadership organized in Pune

October 29-31, 2018. A three day capacity development programme on Leadership Development and Team Building Skills was organized by the Extension Education Section in coordination with the Extension Education Institute (EEI), Anand





(Gujarat) at the College of Agriculture, Pune. Dr. A. L. Pharande, Dean, Faculty of Agriculture and Director of Instruction, MPKV, Rahuri inaugurated the programme. Dr. P. N. Rasal, Associate Dean, Dr. S. D. Masalkar, Principal, College of Horticulture, Dr. Mahesh Patel, Course Coordinator, EEI, Anand, Dr. B. D. Patel, Associate Coordinator, EEI, Anand and Dr. S. B. Shinde, Professor of Agril. Extension were present for the inaugural programme. Dr. Pharande in his inaugural address emphasized on good and cordial relations and healthy atmosphere among the staff for the progress of an institute. Hence, organizational skills of an administrator are important. Further, he said that stress management of staff is required for an organization and hoped that this training would help the trainees to achieve their goals. Dr. Rasal hoped that the training would increase the work efficiency of the staff and help to attain positive attitude. Dr. Shinde welcomed the guests and trainees and gave the introductory remarks. More than fifty staff members participated in the three day training programme. The concluding programme was organized in presence of Dr. Lakhan Singh, Director, ICAR-ATARI, Pune. He hoped that the training will motivate the trainees for effective teaching and working. The trainees were awarded certificates at the hands of Dr. Singh during the programme.

60. Training programme organized under ICAR Farmer FIRST programme



October 25, 2018. An off campus training programme on Rabi Sorghum Production Technology was organized at Chinchvihire village under the ICAR Farmer FIRST programme. Dr. K. D. Kokate, Director of Extension Education inaugurated the programme. Dr. U. D. Chavan, Head, Department of Food Science and Technology, Dr. P. B. Kharde, PI, ICAR FFP, sorghum scientists Dr. S. K. Kamble, Dr. U. S. Kadam, Prof. S. V. Nirmal, progressive farmers Shri. Bhaskar Warghude, Shri. Baban Pathare were present on this occasion. While addressing the farmers, Dr. Kokate emphasized on the five point technology (*panchasutri*) for increasing the sorghum yield. He appealed to the farmers for adopting university technology for higher gains. Sorghum is an important crop in view of nutricereal. Involvement of farm women is important and they would be trained on sorghum processing, he said. Dr. Chavan guided on the value addition of sorghum and gave examples and success stories of sorghum processing. Dr. Kamble explained the five point technology for sorghum production. Dr. Kadam guided on the plant protection aspects and Prof. Nirmal on the varieties developed by the university as per soil type. At the outset Dr. P. B. Kharde, PI gave the introductory remarks. Dr. B. A. Deshmukh, Co-PI anchored the programme, while, Dr. S. S. Sadaphal, Co-PI expressed thanks. Shri. Vijay Shedge, SRF and

Field Assistants Shri. Kiran Magar and Shri. Amol Gaikwad took efforts in organizing the programme. About 70 sorghum growers and farm women attended the one day training programme.

61. *Rashtriya Ekta Daud* organized



October 31, 2018. The *Rashtriya Ekta Daud* was organized at MPKV, Rahuri to celebrate the 143rd birth anniversary of India's first home minister Sardar Vallabhai Patel. Vice Chancellor Dr. K. P. Viswanatha, Registrar Dr. D. D. Pawar, Associate Dean (PGI) Dr. P. A. Turbatmath, Students Welfare Officer Prof. Sharad Patil, Police Inspector Shri. Shilimkar, Communication Centre Incharge Officer Dr. P. B. Kharde, Security Officer Shri. Goraksha Shete, Dr. R. J. Desale, staff and students were present on this occasion. Vice Chancellor Dr. Viswanatha offered garland to the portrait of Late Prime Minister Indira Gandhi and Sardar Patel. Prof. Sharad Patil gave an oath of national integration. Prof. Dilip Gaikwad and Prof. Abhijit Nalawade took efforts in organizing the programme. Students in large number participated in the rally.

November, 2018

62. Induction Training programme organized

November 1-2, 2018. An Induction Training programme was organized at MPKV, Rahuri by the Department of Extension Education for the newly recruited staff. Vice Chancellor Dr. K. P. Viswanatha



inaugurated the programme. Dr. K. D. Kokate, Director, Extension Education, Dr. A. L. Pharande, Dean, Faculty of Agriculture, Dr. S. R. Gadakh, Director of Research, Dr. P. A. Turbatmath, Associate Dean, PGI, Dr. M. C. Ahire, Head, Department of Extension Education, Dr. V. D. Shende, Associate Director of Research were present on this occasion. In his presidential address Dr. Viswanatha said that it is very essential for the newly recruited staff to know about the Act, Statute, Rules and Regulations, Account procedure, organization of the institute and their responsibilities. The knowledge regarding all these issues could be updated through such type of training. This would lead to increased efficiency in work, he hoped. Dr. Kokate in his address expected that this training would help for higher performance by the staff in education, research and extension education. Dr. Pharande said that this is a good platform for the new entrants to learn and develop a good attitude for work. Dr. Gadakh urged the new staff to make efforts for bringing external funded projects. Dr. Ahire in his welcome and introductory remarks put forth the objectives and purpose of organizing the programme. Dr. A. M. Chavai anchored the programme, while, Dr. S. B. Bhanghe proposed thanks. About 100 staff members participated in the two day programme.

63. Mahatma Phule *Punyatithi* organized

November 28, 2018. The Mahatma Phule *Punyatithi* was observed in the university. Noted Marathi writer and President of the 89th Akhil Bharatiya





Marathi Sahitya Sammelan Dr. Shripal Sabnis delivered his thoughts on the Mahatma. Vice Chancellor Dr. K. P. Viswanatha presided over the programme. Dr. K. D. Kokate, Director, Extension Education, Dr. A. L. Pharande, Dean, Faculty of Agriculture, Dr. S. R. Gadakh, Director of Research, Dr. D. D. Pawar, Registrar and Associate Dean, Dr. ASCAE & T, Dr. P. A. Turbatmath, Associate Dean, PGI, Dr. Mahaveersing Chouhan, Student Welfare Officer and Shri. D. M. Gaikwad, Sports Officer were present on the dias. In his speech, Dr. Sabnis spoke on the contribution of Mahatma Phule for the welfare of farmers. Considering those days when women education was not thought of, Mahatma Phule opened school for girls and women. He fought for the development of mankind and the society, he said. Vice Chancellor Dr. Viswanatha in his presidential address called for following the ideals and thoughts of the Mahatma. The scientists, students and staff are working for the welfare of farmers and development of agriculture, he said. Dr. D. D. Pawar gave the introductory and welcome remarks. Dr. Pharande introduced the chief guest. Miss. Aarti Borse anchored the programme, while, Dr. Chouhan expressed thanks.

64. 21 day CAFT training programme organized

November 14 - December 4, 2018. A 21 day training programme on Advances in Production Technology and



Post Harvest Management in Fruit Crops was organized at MPKV, Rahuri by the Department of Horticulture under the Centre for Advanced Faculty Training (CAFT) sponsored by the ICAR, New Delhi. The programme was inaugurated by Dr. A. L. Pharande, Dean, Faculty of Agriculture and Director of Instructions, MPKV, Rahuri. Dr. S. R. Gadakh, Director of Research, Dr. P. A. Turbatmath, Associate Dean, Post Graduate Institute, Dr. S. A. Ranpise, Associate Dean, Lower Agril. Education and Head, Department of Horticulture and Dr. V. D. Shende, Nodal Officer, Punyasholk Ahilyadevi Holkar College of Agriculture, Halgaon were present on this occasion. In his inaugural address, Dr. Pharande called for value addition of fruit crops for securing more monetary returns to the fruit growers. Fruits have a rich nutrient content and it has a paramount importance in human diet, he said. Dr. Gadakh in his address put forth the contribution of MPKV in fruit crop research. Dr. Turbatmath also addressed the trainees. Dr. Sharmila Shinde anchored the programme, while, Dr. Bhagwan Dhakre proposed vote of thanks. Dr. D. B. Kshirsagar took efforts in organizing the programme. Twenty three trainees from ten states participated in this training programme. The valedictory programme was held in presence of Dr. K.D. Kokate, Director of Extension Education. Certificates were awarded to the trainees in this programme.

65. Training programme organized under ICAR Farmer FIRST programme



November 2, 2018. An off campus training programme on Chickpea Production Technology was organized at Kangar village under the ICAR Farmer FIRST programme. Progressive farmer Shri. Bhaskar Warghude presided over the programme. The university scientists guided the farmers on various aspects of chickpea production. Prof. L. B. Mhase, Assistant Professor of Botany highlighted the chickpea varieties developed by the university and their specific characteristics. He also guided on seed treatment, nutrient management and cultivation technology of chickpea for higher yields. Prof. Changdev Wayal, Assistant Professor of Plant Protection guided on the pest and disease management of chickpea. He elaborated on the nutritional value of this crop. Shri. Vijay Shedge, SRF welcomed the experts and farmers. Shri. Kiran magar, Field Asstt. anchored the programme, while, Shri. Amol Gaikwad, Field Asstt. expressed thanks. About 50 chickpea growers participated in the one day training programme.

66. Training programme organized at KVK, Mohol

November 27-30, 2018. A four day skill development training programme on Mini Dal Mill Venture was organized by the Krishi Vigyan Kendra, Mohol in collaboration with ATMA, Solapur. Dr.



Tanaji Walkunde, I/C Head of KVK in his inaugural address underlined the importance of value addition. Good entrepreneurs could come up through these type of trainings, he said. This would lead to raising of income for the farmers. Shri. Vijay Barbade, Dy. PD, ATMA addressed on the schemes of ATMA for the farmers. Shri. Dinesh Kshirsagar, SMS, Food Science and Technology gave the introductory remarks and also worked as a coordinator for this training programme. The SMS of KVK, Mohol Shri. Ajay Dighe, Mrs. Kajal Jadhav also guided the trainees. The training comprised of skill development, demonstration and visit to successful Dal Mill entrepreneurs. Farmers and farm women of Self Help Groups participated in this training programme.

December 2018

67. MPKV celebrates its 33rd Convocation



December 7, 2018. The Mahatma Phule Krishi Vidyapeeth, Rahuri celebrated its 33rd Convocation.



Honourable Governor of Maharashtra and Chancellor of the university Shri. C. Vidyasagar Rao presided over the function. Shri. Nitin Gadkari Honourable Union Minister for Road Transport and Highways, Shipping, Water Resources, River Development and Ganga Rejuvenation, Govt. of India delivered the convocation address. Prof. Ram Shinde, Honourable Minister for Water Conservation and Protocol, M.S. was the guest of honor. Vice Chancellor Dr. K. P. Viswanatha, Dean (Agriculture) Dr. A. S. Pharande, Registrar Dr. D. D. Pawar, Members of Executive Council Shri. Prakash Gajbhiye, MLC, Shri. Shivajirao Kardile, MLA, Shri. Bhausaheb Kamble, MLA, Dr. B. R. Patil, Dr. K. V. Prasad, Shri. Tushar Pawar, Shri. Nathaji Chougule, Mrs. Sunita Patil, Dr. Pankajkumar Mahale, Dr. Vijayprakash Thombre, Director of Extension Education Dr. K. D. Kokate, Director of Research Dr. S. R. Gadakh and Deputy Registrar, Academic Shri. Vijay Dabhade were present on the dias.



In his convocation address Shri. Nitin Gadkari stressed the need for crop diversification. He said that the bioethanol production from sugarcane, bamboo and other crops would lead to farmers' prosperity. The country imports more than two lakhs crore of non edible oil, petroleum and fuel. Some of these crops have a vast potential for bioethanol production and this would transform the rural, agricultural economy, he said. Research on ethanol production from biomass

is needed. The Central Government is giving a boost to ethanol and bioethanol production. Many buses, autos are being run on ethanol and this is being taken on pilot basis in some cities, he said. Bioaviation fuel is also being demonstrated in aeroplanes. The centre is motivating its use which would ultimately benefit the farmers. Shri. Gadkari lauded the university's research work on sugarcane, pomegranate, pulses, vegetables which has contributed immensely towards agriculture development. While addressing to the students, he said that conversion of knowledge into wealth is necessary. Enabling policies to 'Make in India' are being launched with major support under skill development mission. The students need to harness these opportunities with much needed confidence and an element to take risk. It is the moral responsibility to protect, conserve and replenish available natural resources and pass on to future generations with great dignity and responsibility, he said.

Vice Chancellor Dr. Viswanatha presented the report on significant achievements of the university in the field of education, research and extension education. He said that upon the recommendations of the ICAR Peer Review Committee and Education Division for meeting the accreditation criteria, the National Agricultural Education Accreditation Board (NAEB) has granted accreditation to MPKV, Rahuri and its constituent colleges for the period of five years. The university has contributed significantly in the area of research by developing 255 varieties of crop plants, 35 farm implements and more than 1471 recommendations since inception for the benefit of farmers, he said. The university is reaching to more than 6,000 farmers directly and 60,000 farmers indirectly through the Farmer FIRST of RKVY and ICAR in all the 10 districts of MPKV jurisdiction, he added.

Degrees to 45 Ph. D. holders, 401 Post Graduate

holders and 4010 Graduates and medals to successful students were conferred to the graduates at the hands of Honourable Governor and Chancellor of the university. Members of Academic Council, present and former Vice Chancellors of the Agril. Universities of Maharashtra, staff, students and parents were present for the function. Earlier Honourable Governor, chief guest and dignitaries visited the agriculture exhibition organized in the university. Dr. A. V. Solanke anchored the programme.

68. Golden Jubilee Mega Alumni Meet of DrASCAE&T organized



December 23-24, 2018. A Golden Jubilee Mega Alumni Meet-2018 of DrAnnasaheb Shinde College of Agril. Engg. & Technology was organized by the Association of Alumni Agricultural Engineers and DrASCAE&T at MPKV, Rahuri. Dr. Sudhir Kumar Goel, Former Additional Chief Secretary (Agriculture and Marketing), Govt. of Maharashtra was the Chief Guest for the function. Vice Chancellor Dr. K. P. Viswanatha presided over the programme. Shri. Satyajit Bhatkal, CEO, Paani Foundation and Dr. Sudhir Bhongale, Journalist were the Keynote Speakers for the programme. Directors Dr. K. D. Kokate, Dr. A. L. Pharande, Dr. S. R. Gadakh, Dr. D. D. Pawar, Registrar and Associate Dean, Dr ASCAE & T, Dr. H. G. More, President, Alumni Association and Dr. M. G. Shinde, Ex-Secretary, Alumni Association were present on the dais. In his address Dr. Goel said that the Agricultural

Engineers have a great role in advancement of agriculture and farm mechanization. They can work in coordination with the agronomists, entomologists and pathologists, economists and marketing experts for the betterment of farmers. Water holds the key for agriculture and hence its availability to farmers along with good market rates for their produce is necessary, he said. Dr. Viswanatha in his presidential address said that dryland agriculture of our state accounts to 80 percent and also majority of the farmers are small and marginal farmers. In view of this, the Agricultural Engineers can develop useful and affordable technologies for small, marginal farmers. Journalist Dr. Bhongale addressed on water management, while, Shri. Bhatkal briefed about efforts of Paani Foundation for overcoming water scarcity. Er. Sandip Jadhav, Director, WOTR, Er. Arun Deshmukh of NetaFim irrigation and Er. Vilas Shinde of Sahyadri Agro Farmers Producer Company also addressed the alumni. A souvenir was released on this occasion. Dr. M. C. Varshneya, Alumni and Former Vice Chancellor, Kamdhenu University, Gujarat, retired staff members and more than 1000 alumni attended the meet. Er. Satish Kulkarni anchored the programme, while, Dr. M. G. Shinde proposed thanks.

69. Bamboo Plantation Project and Bamboo Start up Promotion Centre sanctioned to MPKV

December, 2018. The Government of Maharashtra has sanctioned a Bamboo Plantation Project and Bamboo Start up Promotion Centre to MPKV, Rahuri. Funds of Rs. 319.31 lakhs have been sanctioned to the Bamboo Plantation Project under the Maharashtra Bamboo Development Board, Nagpur. The project is consisting of two components, viz., Research component for evaluation of bamboo species for better adaptability and carbon sequestration and Training



component for Bamboo Handicrafts and Art Unit. Rs. 33.21 lakhs have been received for the development of training centers for the Bamboo Handicrafts and Art unit. Recently, a MOU has been signed between MPKV and Bamboo Research & Training Centre.

70. Training programme on Organic Farming organized at Pune



December 11-19, 2018. A Training programme on Organic Farming was organized at College of Agriculture, Pune in collaboration with Patanjali Bio Research Institute, Haridwar. Vice Chancellor Dr. K. P. Viswanatha inaugurated the programme. In his address to the farmers, Dr. Viswanatha pointed out the ill effects of chemicals for human beings. Looking to the foodgrain demand for the increasing rate of population, an integrated approach is desirable, he said. The organic production of foodgrains and other commodities is important for good health, he opined. Dr. P. N. Rasal, Associate Dean, College of Agriculture, Pune, Dr. S. D. Masalkar, Principal, College of Horticulture, Pune, Dr. Ravindra Reddy, Director, Quality Control, Patanjali Bio Research Institute, South Zone, Shri. Ram Reddy, Coordinator, Telangana State, Dr. Mahesh Khamkar, Maharashtra State Coordinator, staff and farmers were present on this occasion. Dr. Mrunal Ajotikar anchored the programme, while, Dr. Mahesh Khamkar expressed thanks. Thirty farmers from Maharashtra state participated in this training programme.

71. MOU signed for IPR



December 18, 2018. A Memorandum of Understanding (MOU) was signed between MPKV, Rahuri and Great Mission Group Consultancy, Pune for registration of Intellectual Property Rights (IPR). The MOU was signed by Dr. S. R. Gadakh, Director of Research, MPKV, Rahuri and Prof. Ganesh Hingmire, Director, Great Mission Group Consultancy, Pune in presence of Vice Chancellor Dr. K. P. Viswanatha. The group would assist the university in patenting the university technologies and produce. It would guide for registration of university's IPR. Dr. K. D. Kokate, Director, Extension Education, Shri. Vijay Kote, Comptroller and Heads of Departments were present on this occasion.

January 2019

72. MAGOVA - 2018 organized



January 3, 2019. *Magova* -2018 (Retrospection), a programme to review the various activities of the

University during the year 2018 was organized in the university. Shri. Sudhir Mungantiwar, Hon'ble Minister of Finance and Planning, Forests, M. S. was the Chief Guest for the function. Vice Chancellor Dr. K.P. Viswanatha presided over the function. Executive Council member and MLC Shri. Prakash Gajbhiye, MLA Shri. Shivajirao Kardile, Dr. B. R. Patil, Shri. Tushar Pawar, Prof. Nathaji Chougule, Mrs. Sunita Patil, Dr. Pankajkumar Mahale, Dr. Vijayprakash Thombre, Directors, Associate Deans, Officers of the university were present on the dais.

The Chief Guest Shri. Mungantiwar in his address complimented the university for its Golden Jubilee and hailed MPKV's contribution for agricultural development. He announced special funds of Rs. 151 crores for research and development works of the university. He said that today is a historical day since we are also celebrating the anniversary of Savitribai Phule. Agriculture is the backbone of our country and more than 58 per cent of the population is dependent upon it for livelihood. But considering the growth in population we need to produce more. The university can advise the farmers for proper crop planning, he hoped. The integrated farming system model of MPKV would yield good income to the farmers. Bamboo being a versatile plant would gear the farmers' economy, he said. He further said that we need to grow pesticide free fruits and vegetables to avoid the ill effects of health.



Vice Chancellor Dr. K.P. Viswanatha in his presidential address highlighted the significant contributions of the University in education, research and extension education. He said that the university has taken the bamboo mission and a project worth Rs. 3.19 crore has been sanctioned to the university. He thanked the state government for its support to the university and asserted that the staff, scientists are working hard for the welfare of farmers and project MPKV as a farmer friendly agricultural university.

Dr. K.D. Kokate, Director of Extension Education gave the introductory remarks and introduced the chief guest. He presented the extension activities of the past year. Dr. A. L. Pharande, Dean, Faculty of Agriculture, Dr. S. R. Gadakh, Director of Research, Dr. D. D. Pawar, Registrar, Er. Vijay Kote, Comptroller and Er. Milind Dhoke, University Engineer presented the reports on education, research, administration, financial and development activities, respectively.

The popular University publication *Krishi Darshani*-2019 and Accomplishments-2018 were released during the function. MPKV Calendar-2019, depicting monthwise agricultural information and Govt. schemes was released on the occasion of *Magova* programme. A mobile app *Phule Krishi Darshani* was also launched. Associate Deans, Heads of Departments, staff and students were present on this occasion. A photographic exhibition was also organized on this occasion. Dr. B. D. Bhakare anchored the programme, while, Dr. P. B. Kharde, Officer Incharge, Communication Centre proposed vote of thanks.

73. National Conference on “Alliance for Seed Reliance” organized at College of Agriculture, Nandurbar

January 12-13, 2019. A National Conference on “Alliance for Seed Reliance-Approach and Practices





to Conserve Seed Diversity and Propagate Farmers' Seeds Farmers Varieties for sustainable Agriculture" was organized at College of Agriculture, Nandurbar. Acharya Shri. Dev Vrata, Hon'ble Governor of Himachal Pradesh and chief guest of the inaugural session delivered the keynote address. Vice Chancellor Dr. K.P. Viswanatha, Dr. Mallinath Kalshetty, District Collector of Nandurbar district, Dr. R. C. Agrawal, Registrar General, PPV & FRA, New Delhi, University Directors Dr. K. D. Kokate, Dr. A. L. Pharande, Dr. S. R. Gadakh, Associate Dean Dr. S. B. Kharbade and Dr. Gajanan Dange, Secretary of the organizing committee were present on the dais. Acharya Shri. Dev Vrata underlined the importance of local varieties of staple crops and local breeds of farm animals. He mentioned that a practical and nature friendly approach to farm management leads to natural farming and consequently to seed conservation. He shared experiences of last 20 years of management of a 200 acre farm of his parent institute i.e. Gurukul at Kurukshetra in Haryana State. He noted that conservation of indigenous seeds and natural farming should get due weightage in the agricultural education in our country. He remarked that the conference should lead to a follow up action plan including networking with seed conservers, agriculture education institutes, voluntary organizations and policy makers.

Vice Chancellor Dr. K.P. Viswanatha delivered the opening remarks. He said that the year 2018-19 is the Golden Jubilee year of MPKV. Over the five decades, in addition to imparting agriculture education, this university has been working with farmers in the region on betterment of the agriculture sector. The University will contribute in the follow up of actions and recommendations of the conference. It could be in the form of extension work or research or any other activity within the purview of the mandate of the University. Mr. Vilas Bardekar, Chairman, Maharashtra State Biodiversity Board shared his thoughts on conservation of farmer's varieties. Shri. Dinesh, All India Head, Gram Vikas Vibhag of Rashtriya Swayamsevak Sangha said that seed sovereignty is integral to the national sovereignty. He stated that individual farmers and voluntary organizations have important role in the conservation of indigenous crop seeds. Number of these important stakeholders involved in the seed conservation as of now is very low as in comparison to the rapid pace of disappearance of the indigenous seeds. Therefore, efforts are needed to reach out and network with the potential stakeholders all over the nation. Dr. Dange presented the welcome note. He explained background of the conference. He underlined significance of the international agreements that has been signed and their connection with enactment of two important legislations i.e. Protection of Plant Varieties and Farmer's Rights Act 2001 and The Biological Diversity Act 2002. These two legislations have bearing over farmer's seed conservation in India.

In this session, three individuals were felicitated at the hands of Acharya Shri. Dev Vrat, Hon'ble Governor of Himachal Pradesh and the chief guest of the inaugural function. Dr. Mallinath Kalshetty, IAS, District Collector of Nandurbar District was felicitated for his

efficient governance. Seed mother Smt. Rahibai Popere of village Kombhalane, Akole block of Ahmednagar district in Maharashtra State was felicitated for her contribution to conservation of indigenous seeds. Shri. Ramsing Valvi of village Kanjala, Akkalkuva block of Nandurbar district was felicitated for his contribution towards community based biodiversity conservation in the the Satpuda hills.

The conference started with *Beej Poojan* i.e. a prayer ritual to pay reverence to the indigenous seeds. The conference had seven sessions including five technical sessions. Along with these plenary sessions, an exhibition of indigenous seeds was organized in a separate venue adjacent to the conference venue. The inaugural session concluded with vote of thanks by Shri. Krushnadas Patil, President of Hedgewar Seva Samiti, Nandurbar and member of the organizing committee of the conference.

74. Valedictory Session



January 13, 2019. Shri. Puroshottam Rupala, Hon'ble Minister of State for Agriculture, Farmers Welfare and Panchayati Raj, Government of India, at the outset congratulated the organizers for organizing such a grand event on an important issue like conserving seed diversity. He expressed whole hearted support for creating National Alliance for Seed Reliance. He added that GoI will support the seed alliance as expressed in

the conference. He assured that recommendations of the conference would be accepted at appropriate level on priority. Dr. Heena Gavit, Member of Parliament, Nandurbar thanked all participants for coming to Nandurbar, a remote tribal district of Maharashtra. She said that ongoing societal efforts in Nandurbar district for biodiversity conservation in collaboration with KVK, Nandurbar need to be upscaled and replicated throughout the country. Vice Chancellor Dr. K. P. Viswanatha expressed deep sense of satisfaction about successful participation and deliberations in the conference. He said that almost all stakeholders working across the country for farmers' seed and farmers' varieties had participated in the conference. He assured that the points raised during the conference would be given due recognition in the research, education and extension work plan of the university. Dr. Gajanan Dange discussed important points of the conference and the way forward pooled from the discussions held in the preparation stage and in the thematic sessions of the conference. Dr. Gunakar, Secretary, *Akshay Krishi Pariwar* read out the salient points of the thematic sessions. Shri. Manojbhai Solanki, President of *Akshay Krishi Pariwar* proposed vote of thanks.

An exhibition was organized on this occasion which covered crops like rice, wheat, sorghum, pearl millet, maize, various types of vegetables and millets like Kodo, Kutki and Ragi. There were more than 150 land races of vegetables alone. A special section about culture of tribal in Nandurbar area was on display to show oneness of these people with nature and understand richness of their knowledge.

75. 33rd Annual Workshop of AICRP on Farm Implements and Machinery organized

January 8-10, 2019. The 33rd Annual Workshop of AICRP on Farm Implements and Machinery was





organized at MPKV, Rahuri. The inaugural programme of the workshop was presided over by Vice Chancellor Dr. K. P. Viswanatha. Dr. Kanchan Kumar Singh, ADG (Agril. Engg.), ICAR, New Delhi was the Chief Guest for the function. Dr. V. M. Mayande, Former Vice Chancellor, DrPDKV, Akola, Dr. Krishna Kumar Singh, Director, CIAE, Bhopal, Dr. C. R. Mehta, Project Coordinator, CIAE, Bhopal, Dr. Durairaj, Former Director, Agril. Engg., Tamilnadu Agriculture University, Directors Dr. K. D. Kokate, Dr. S. R. Gadakh and Dr. D. D. Pawar, Associate Dean, DrASCAE&T were present on the dais. In his Chief Guest address Dr. Kanchan Kumar Singh said that farm mechanization is the priority of the Government. Hence, the budget for this purpose has been enhanced substantially. He highlighted the need for National and International collaboration and linkages for fulfilling the aspirations of all group of framers. Identifying the problems in farm mechanization, prioritizing them and involving of manufacturers would yield good results, he said. Vice Chancellor Dr. Viswanatha in his presidential address enumerated the important role of farm implements and machinery in agriculture. Innovations and technologies are vital for farm mechanization. Drudgery of women need to be reduced through adoption of appropriate farm implements, he said. Hence, the feasibility, techno and cost effectiveness of implements and machinery is needed to be considered while designing them. In

future drone technology and use of solar power pumps and sprays along with mobile apps for irrigation would be widely used by the farmers. Dr. Mayande in his address put forth the challenges in agriculture and said that agriculture is not possible without mechanization. More intelligent machines will be required in future, he asserted. Dr. Krishna Kumar Singh said that the AICRP on FIM is one of the oldest and flagship schemes of the ICAR. Considering the labour shortage, farm mechanization is the need of the hour, he said. Dr. Durairaj said that we need to have synergy with other partners for research and manufacture of implements and machinery in farm mechanization. Dr. Mehta presented the overall report of FIM. Dr. S. R. Gadakh, Director of Research gave the introductory remarks. Dr. D. D. Pawar welcomed the dignitaries and participants. Dr. S. A. Kadam anchored the programme, while, Dr. T. B. Bastewad proposed thanks. Associate Dean Dr. Turbatmath, Dr. Ranpise and Head, Dept. of FIM Dr. Nalawade, scientists, manufacturers and participants were present on this occasion.

76. Brainstorming workshop on Organic Farming Research organized



January 29, 2019. A one day brainstorming workshop on Organic Farming Research was organized at MPKV, Rahuri by the Organic Farming Research and Training Centre of the university. Vice Chancellor Dr. K. P. Viswanatha presided over the workshop.

Dr. R. B. Deshmukh, Former Vice Chancellor, MPKV, Rahuri was the chief guest on this occasion. In his presidential address Vice Chancellor Dr. Viswanatha raised concern over the soil health, human health and approaches for future technology. He said that the use of organic matter and micronutrients have been reduced considerably since they are not easily available. Hence, we need to analyse all these aspects and improve the organic carbon for good soil health. Application of compost and vermicompost along with FYM is essential. The soil and microbiology are thus very important. Under these circumstances, the animal component is very much important. Thus, appropriate research on organic farming is very much needed, he said. Dr. Deshmukh in his chief guest address said that from consumer point of view the availability of residue free fruits and vegetables and other products is important. The quality of irrigation water need to be addressed. The inputs required for organic farming needs to be standardized. Emphasis it to be given on reducing the cost of production and getting higher price for organic produce. The bio agents like bio pesticides, bio fertilizers will have a major role in organic farming, he said. Dr. K. D. Kokate, Director, Extension Education, Dr. D. P. Waskar, Director of Research, VNMAU, Parbhani, Dr. N. D. Parlawar, Head, Department of Agronomy, DrPKV, Akola and progressive farmers Shri. Vishwasrao Patil, Shri. Ankush Padwale guided the house. Dr. S. R. Gadakh, Director of Research gave the introductory remarks. Dr. A. V. Solanke, Head, Department of Agronomy welcomed the dignitaries. Dr. P. S. Bodke anchored the programme. Dr. Harihar Kausadikar, Director of Research, MCAER, Pune, scientists and farmers were present on this occasion.

77. Republic Day celebrated



January 26, 2019. The Republic Day was celebrated in the university. Vice Chancellor Dr. K. P. Viswanatha hoisted the national flag. While addressing the staff and students Dr. Viswanatha highlighted the salient achievements of MPKV in the field of education, research and extension education. He said that the university students have achieved success in JRF, GATE and NET exams. They also succeeded at various sports competitions. Also the university has released various crop varieties, improved implements and technology recommendations for the farmers last year. The IFS model developed by MPKV would assist in sustainable income for farmers. Directors Dr. K. D. Kokate, Dr. A. L. Pharande, Dr. S. R. Gadakh, Registrar Dr. D. D. Pawar, Comptroller Er. Vijay Kote, University Engineer Er. M. P. Dhoke, staff, students and employees were present in large number. Mr. Goraksha Shete, Security Officer anchored the programme. The NCC cadets under the guidance of Dr. R. N. Kenghe gave the salute. A Blood Donation Camp was organized at DrASCAE & T on this day.

78. Dr. R. C. Agrawal, Registrar General, PPV & FRA, New Delhi visited College of Agriculture, Nandurbar

January 13, 2019. Dr. R. C. Agrawal, Registrar General, PPV & FRA, New Delhi, Vice Chancellor Dr. K. P. Viswanatha, Dr. A. L. Pharande, Dean, F/A





and Director of Instruction, MPKV, Rahuri, visited the College of Agriculture, Nandurbar. Dr. Agrawal in his address said that students should think out of box of syllabus and make new innovations, they should learn more and more and try to do something out of syllabus. Students should not be the job seeker; he should be job creator for others. Students should devote much more time on innovations than social media like facebook, twitter, whatsapp etc. and bring the name of this campus and give message to others. He appreciated student discipline and college development. Vice Chancellor Dr. Viswanatha in his address said that students should thank their parents for giving them golden opportunity for education and for hard work. In every educational campus Nutritional Garden need to be created. Dr. Pharande reviewed the progress of the College and congratulated for the ICAR accreditation. Dr. S. B. Kharbade, Associate Dean, welcomed and felicitated the dignitaries and presented brief academic information and progress of college.

79. Visit of Fiji representatives to College of Agriculture, Pune

January 25, 2019. The representatives from Sugar Corporation Ltd., Fiji visited College of Agriculture, Pune. These representatives were undertaking a training programme organized by Indian Technical Finance Corporation (ITEC) under the Indian Ministry of External Affairs, Government of India on sugarcane



production technology at the Vasantdada Sugar Institute, Manjri. Dr. Pramod Rasal, Associate Dean and Principal, College of Agriculture, Pune welcomed the representatives from Fiji and explained the various educational, research and extension activities being conducted in the college. Dr. S. B. Shinde, Professor of Agril. Extension gave a detailed account of agriculture in India and Maharashtra and explained the various ongoing research activities by Indian Council of Agricultural Research, New Delhi and its affiliated institutions and agricultural universities for the development of agriculture. The representatives from Fiji visited demonstration plots of various crops, different departments and projects at the college.

80. ICAR FFP Farmers Exposure Visit to Krushak, KVK, Baramati



January 20, 2019. A Farmers Exposure visit was organized to Krushak exhibition organized by KVK, Baramati under the ICAR Farmer FIRST programme. Thirty farmers and farm women from Chinchvhihire

and Kangar villages participated in this visit. Dr. A. D. Kadlag, Head, Department of Soil Science & Agril. Chemistry flagged the bus. The project Co-PIs Dr. S. S. Sadaphal, Dr. B. A. Deshmukh, SRF Shri. Vijay Shedge, Field Assistants Shri. Magar and Shri. Gaikwad guided the farmers on this occasion. The farmers visited the various exhibition stalls and live crop demonstrations during this fruitful visit. Advanced agricultural technologies were exhibited through *Krushak* exhibition. This visit was organized under the guidance of Dr. K. D. Kokate, Director, Extension Education and Dr. P. B. Kharde, PI, ICAR FFP.

81. MPKV Cricket Team excel in Statelevel Vice Chancellor T-20 Tournament



January 6-11, 2019. The MPKV cricket staff team won the Statelevel Vice Chancellor T-20 Tournament organized at Sant Gadgebaba Amravati University, Amravati. The MPKV team defeated the Maharashtra Animal and Fishery Sciences University, Nagpur in the final match. The Mumbai University stood third. Fifteen universities participated in this tournament. The MPKV staff cricket team was led by Shri. Vikas Dhanvate. MPKV triumphed by 90 runs in the final. The trophy was handed over by Dr. Muralidhar Chandekar, Vice Chancellor, Sant Gadgebaba Amravati University, Amravati in the concluding programme. Vice Chancellor Dr. K. P. Viswanatha and Directors, staff congratulated the MPKV team.

82. General Championship to MPKV Staff Team at Inter University Staff Sports Competition



January 19-21, 2019. The MPKV staff team won the General Championship in the Inter University Staff Sports Competition held at DrPDKV, Akola. The State Agriculture University teams from Maharashtra viz., MPKV, Rahuri, Dr PDKV, Akola, Dr. BSKKV, Dapoli, VNMAU, Parbhani along with MAFSU, Nagpur and MAHABEEJ, Akola staff teams participated in this competition. Over 300 staff sportsmen and women participated in this three day event. The MPKV staff team won the Basketball, Table Tennis (Men), Table Tennis (Women), Badminton (Women), Chess (Women) and Joint Winners in Cricket along with VNMAU, Parbhani. These winner teams were captained by Dr. P. B. Kharde (Basketball), Prof. Vivek Kanawade (Table Tennis-Men), Dr. Leena Shitole (Table Tennis-Women), Dr. G. B. Kabre (Chess), Shri. Yogeshwar Patil (Cricket) and Mrs. Manisha Khaire (Badminton-Women). Shri. Bhanudas Rathod was adjudged as the Best All Rounder in cricket, Shri. Sakpal Gaikwad as the Best Bowler and Prof. Annasaheb Tambe as the Oldest player of the tournament. The teams were guided by Dr. M. R. Chouhan, Student Welfare Officer, Prof. Dilip Gaikwad, Sports Officer and Dr. Abhijit Nalawade, Physical Instructor. MPKV received the General Championship Trophy at the hands of Dr. Vilas Bhale, Vice Chancellor, Dr. PDKV, Akola.

Vice Chancellor Dr. K. P. Viswanatha and Directors, staff congratulated the teams for this success.

83. Success of MPKV students in Inter Agriculture University Sports

January 2-5, 2019. MPKV students achieved success in the XIX All India Inter Agriculture Universities Sports and Games Meet held at Punjab Agriculture University, Ludhiana. They participated in the kho-kho, kabaddi, volley ball, table tennis and athletics events. The Girls team were the winners in kho-kho. Kabaddi-Boys secured Silver medal. The Table Tennis-Girls attained third position. Miss. Sangale Shilpa of College of Agriculture, Pune was the winner in 400 m run, third in 800 m and third in long jump. Kulal Sujit of College of Agriculture, Baramati was the winner in high jump. Miss. Kolhe Mittal of College of Agriculture, Karad won the Silver medal in discuss throw.

84. Lecture on Meditation for Personality Development at Pune

January 24, 2019. A lecture on the topic Meditation for Personality Development was organized at College of Agriculture, Pune. Bramhakumari Sharda Didi and Nalini Didi, *Prajapita Brahmakumari Vishwavidyalaya*, Dr. Pramod Rasal, Associate Dean and Principal, College of Agriculture, Pune, Dr. Sunil Masalkar, Principal, College of Horticulture, Pune and Dr. Ram Kharche, Former Vice President, Maharashtra Council of Agricultural Education and Research, Pune were present for the programme. Brahma Kumar Atmaprakash from *Prajapita Brahmakumari Vishwavidyalaya*, elaborated that *Rajyyog* meditation is the solution to overcome the problems in life and to create positive thoughts. He opined that *Rajyyog* meditation assists the students to improve their learning ability and concentration through developing

their inner consciousness. Dr. Kharche appealed that everyone need to practice meditation. Dr. Rasal gave the introductory remarks.

February 2019

85. National Conference organized on Food and Nutritional Security Conclave



February 25-27, 2019. A National Conference on Food and Nutritional Security Conclave and the XIVth Convention of the Indian Society of Agriculture Biochemistry (ISAB), Kanpur was jointly organized by the Mahatma Phule Krishi Vidyapeeth and the Indian Society of Agriculture Biochemistry, Kanpur at central campus, Rahuri. Dr. C. Vasudevappa, Vice Chancellor, National Institute of Food Technology Entrepreneurship and Management (NIFTEM), Haryana was the Chief Guest for the inaugural programme. Vice Chancellor Dr. K. P. Viswanatha presided over the function. Dr. S. S. Kadam, Former Vice Chancellor of VNMAU, Parbhani was the Guest of Honour. Dr. A. L. Pharande, Dean, Faculty of Agriculture, Dr. S. R. Gadakh, Director of Research, Dr. P. S. Kendurkar, Vice President, ISAB, Kanpur, Dr. G. P. Shrivastava, General Secretary, ISAB and Dr. R. M. Naik, Head, Department of Biochemistry and Organizing Secretary were present on the dias. In his Chief Guest address Dr. Vasudevappa said that nutritional security is now a multi-dimensional issue and Biochemists have a great role for analyzing food. The testing of physical, biological and nutritional parameters for exporting food items is important.

There are sixty percent food losses which is a matter of concern, he said. We need to curtail the malnutrition in rural areas and for this purpose we should focus on Zero Waste India Vision 2030, he remarked. Linkages between food system, food environment and diet quality need to be strengthened. Vice Chancellor Dr. Viswanatha in his presidential speech underlined the significance of this conclave. He said that we are producing surplus of foodgrains but we have insufficient storage facilities and this need to be worked out. The Farmer Producing Companies can play a vital role in grading, packing and value addition of farm produce. Former Vice Chancellor Dr. Kadam gave a presentation on Nutraceuticals and Human Health. Dr. Shrivastava presented the report of ISAB. Dr. Naik welcomed the dignitaries and offered the introductory remarks. Dr. Anil Kale, Co-Organizing Secretary proposed thanks. Dr. Prakash Lokhande anchored the programme.

Vice Chancellor Dr. K. P. Viswanatha was felicitated with the Achievement Award of ISAB for his significant contribution to agriculture development. Dr R. S. Sangwa was honoured with the Honorary Fellowship. Dr. R. M. Naik was bestowed with the Excellence Award. Dr. A. A. Kale, Dr. P. K. Lokhande and Dr. D. P. Kachre were awarded the Letter of Appreciation during the function. Scientists across the country participated in this conference.

86. Rabi Crops Technology Day and Shivar Pheri organized at MPKV, Rahuri



February 1, 2019. Rabi crops Technology Day comprising of massive demonstrations on rabi sorghum, chickpea, wheat and different vegetables were organized at the Mahatma Phule Krishi Vidyapeeth, Rahuri in collaboration with the State Department of Agriculture. Dr. K. V. Prabhu, Chairman, PPV & FRA, New Delhi was the chief guest for the function. Vice Chancellor Dr. K. P. Viswanatha presided over the function. Dr. A. Ashok Kumar, Principle Scientist, ICRISAT, Hyderabad, Executive Council members of the university Dr. B. R. Patil, Mrs. Sunita Patil, Prof. Nathaji Chougule, Dr. Pankajkumar Mahale, EEC member Shri. Rajaram Chaudhary, Dr. K. D. Kokate, Director of Extension Education, Dr. S. R. Gadakh, Director of Research, Shri. Pandit Lonare, District Sup. Agril. Officer, Ahmednagar, Dr. R. W. Bhraud, Head, Department of Botany were present on his occasion. In his address to the farmers Dr. Prabhu sensitized them about the Plant Protection Variety and Farmers Right Authority and called for registration of farmers varieties. Availability of irrigation water is a major challenge before us due to low rains. Hence, more adoption of insitu soil moisture techniques are needed, he emphasized. He called for judicious marketing of agricultural produce through appropriate advertisements and group marketing. Dr. A. Ashok Kumar in his address shared his good experiences of MPKV while working during HOPE project of rabi sorghum. He said that MPKV has developed a good *Panchasutri* technology for higher production of rabi sorghum which has been proven on farmers field. He assured ICRISAT's support to the university. Vice Chancellor Dr. Viswanatha in his presidential address said that this is a special occasion since MPKV is celebrating its Golden Jubilee Year during 2018-19. The university is regularly organizing the *Kisan Aadhar Sammelan* for effective transfer of technology

to the farmers. Farmers need to go for diversification of crops to avoid monocropping and further risk. He said that the Farmers Producer Companies have a big role in marketing of farm produce and thereby getting an assured price for their produce. Animal component need not be neglected and the Integrated Farming System would add to the income of farmers, he opined. At the outset Dr. S. R. Gadakh gave the introductory remarks. Dr. A. S. Jadhav, Senior Sorghum Breeder welcomed the dignitaries and farmers. Dr. Kokate and Shri. Lonare also expressed their views. Farmer Shri. Raju Sayyad of Kharekarjune village shared his experiences on rabi sorghum production technology. Dr. A. V. Solanke anchored the programme, while, Dr. R. W. Bharud expressed thanks. Dr. V. D. Shende, Associate Director of Research, farmers, farm women were present in large number. The university crop experts guided the farmers. Farmers visited the various rabi crop demonstrations and agriculture exhibition organized on this occasion.

87. Live Telecast programme at MPKV



February 24, 2019. The live telecast of Hon'ble Prime Minister's programme on *Man Ki Bat* was organized at MPKV, Rahuri. Hon'ble Prime Minister Shri. Narendra Modi addressed the farmers of the country and inaugurated the *Kisan Sanman Nidhi Yojana*. Shri. Rahul Dwivedi, District Collector, Ahmednagar, Shri. Viswajit Mane, Chief Executive

Officer, Zilla Parishad, Ahmednagar, Dr. K. D. Kokate, Director of Extension Education, Dr. A. L. Pharande, Dean, Faculty of Agriculture, Dr. S. R. Gadakh, Director of Research, Dr. D. D. Pawar, Registrar, Shri. Pandit Lonare, District Supd. Agril. Officer, Ahmednagar and farmers were present on this occasion.

88. Chattrapati Shivaji Maharaj Jayanti celebrated



February 19, 2019. The Birth Anniversary of Chattrapati Shivaji Maharaj was enthusiastically celebrated in the university. On this occasion popular historian Dr. Mrs. Manjushri Jaysingrao Pawar delivered a lecture on the life of King Shivaji. Dr. K. D. Kokate, Director of Extension Education presided over the function. Dr. S. R. Gadakh, Director of Research, Dr. D. D. Pawar, Registrar, Dr. S. R. Ranpise, Associate Dean, LAE, Dr. M. R. Chouhan, Student Welfare Officer, Prof. Dilip Gaikwad, Sports Officer were present on the dais. Dr. Manjushri Pawar in her address said that King Shivaji fought for *swaraj*. Chattrapati Shivaji Maharaj was the real King of the masses. Dr. Pawar gave various references citing the instances of King Shivaji's bravery during his life time. He had a great affection for the farmers, she said. Thus, he implemented farmer friendly policies during his regime. In his presidential address Dr. Kokate said that King Shivaji's ideals need to be followed by the youth which would imbibe self confidence in them. His path would help us to fight

against problems that we are facing in agriculture. Dr. D. D. Pawar gave the introductory remarks. Dr. S. R. Gadakh introduced the Chief Guest. Forty five students of Dr.ASCAE & T brought *shivjyot* from Shivneri fort at a distance of 130 km. The staff and students were present for the function. Dr. M. R. Chouhan, Student Welfare Officer proposed thanks. Shri. Hrushikesh Rajput anchored the programme.

89. Rabi Agri Tech Fest-2019 organized in Pune



February 8, 2019. The Rabi Agri Tech Fest-2019 was organized at College of Agriculture, Pune for the farmers to demonstrate the technologies developed by Mahatma Phule Krishi Vidyapeeth, Rahuri. The Fest was inaugurated at the auspicious hands of Retired Judge of Mumbai High Court Shri. B.G. Kolse Patil. Vice Chancellor Dr. K.P. Viswanatha, Shri. Prakash Gajbhiye, Member of Legislative Council and member of the Executive Council of MPKV, Rahuri, Shri. Shekhar Gaikwad, Sugar Commissioner of Maharashtra State, Dr. K.V. Prasad, Executive Council Member of the University and Director of ICAR's Directorate of Floriculture Research, Pune, Mr. Tushar Pawar, member of the University Executive Council, Dr. K. D. Kokate, Director of Extension Education, Dr. Shivaji Gurav, Deputy Registrar, Protection of Plant Varieties and Farmers' Rights Authority, Pune Branch, Dr. P. N. Rasal, Associate Dean and Principal,

College of Agriculture, Pune and Shri. Anil Pingale and Shri. Rao, Programme Officers, Akashwani, Pune visited the various demonstrations on this occasion. Large number of farmers visited the demonstration plots of 44 varieties of 18 rabi seasonal field crops that included cereals, pulses, oilseeds and cash crops, 42 improved varieties of 28 vegetable crops including green vegetables and exotic vegetables and 89 varieties of 17 flowers like gladiolus, marigold and jasmine. University scientists answered farmers' queries. Apart from this, the farmers were also provided exposure to different technologies such as use of drone technology, various systems of irrigation, mushroom production, bio-fertilizers, biological pest control, dairy products, etc. Field Demonstration under Techno week on horticultural and wheat crops through drone-mounted sprayer was organized under the CAAST-CSAWM project. The farmers, college students as well as citizens interested in agriculture and green environment responded to the Rabi Agri Tech Fest-2019 with lot of enthusiasm.

90. Student-Industry Interface on Application of Drone technology in Agriculture organized at Pune



February 28, 2019. The Student-Industry Interface on Application of Drone technology in Agriculture was organized under the CAAST-CSAWM project at College of Agriculture Pune. Dr. A. L. Pharande, Dean,

Faculty of Agriculture, Dr. P. N. Rasal, Associate Dean, College of Agriculture, Pune, Dr. D. D. Pawar, Associate Dean, Dr. A.S. College of Agriculture Engineering and Technology, Er. Kishor Gore, Vice President of Global InfoTech Solutions, Inc. New York (USA), Dr. S. D. Gorantiwar, Principal Investigator, CAAST, and Dr. M. S. Jadhav, Head, Agril. Engg. Section were present on this occasion. Dr. J. S. Pachpute, Convener and Co-PI, CAAST-CSAWM, Pune Sub-Campus gave the introductory remarks. Er. Atul Chaudhari, Chairman and Managing Director, Ayyan Autonomous System Private Ltd., Pune, was the expert lecturer for this programme.

91. Guest Lecture on Management of Export Oriented Protected Cultivation organized at College of Agriculture, Pune



February 26, 2019. A Guest Lecture on “Management of Export Oriented Protected Cultivation” was organized at College of Agriculture, Pune for PG students. The Guest Lecture was started with an informal opening-cum-welcome ceremony in the presence of Dr. J. S. Pachpute, Co-Principal Investigator, CAAST-CSAWM, Pune Sub-Campus. Speaker Shri. Govind Hande, Rtd. Technical Officer, Export Division, Department of Agriculture, Govt. of Maharashtra delivered lecture on Management of Export Oriented Protected Cultivation. Mr. Hemant Jagtap, Research Associate anchored the programme, while, Dr. P. N. Dalavi, Research Associate gave vote of thanks.

March 2019

92. Golden Jubilee Celebrations of MPKV, Rahuri



March 29, 2019. The Golden Jubilee Celebrations of Mahatma Phule Krishi Vidyapeeth, Rahuri was organized in the university. Dr. A. K. Misra, Chairman, Agricultural Scientists Recruitment Board (ASRB), New Delhi was the Chief Guest for this grand function. Vice Chancellor Dr. K.P. Viswanatha presided over the function. Vice Chancellors Dr. Vilas Bhale (Akola), Dr. Ashok Dhawan (Parbhani), Dr. Sanjay Sawant (Dapoli). Dr. K. D. Kokate, Director, Extension Education, Dr. A. L. Pharande, Dean, Faculty of Agriculture, Dr. S. R. Gadakh, Director of Research were present on the dais. In his inaugural address Dr. Misra congratulated the MPKV fraternity for its Golden Jubilee celebrations. He underlined the role of technology in attaining self sufficiency of the country in food grain production. The contribution of scientists, farmers and policy makers has resulted in the country's record foodgrain, horticultural, milk, meat, fish production. He further hoped that we need to attract youth towards agriculture. The Government is making all out efforts for increasing the farmers' income. But the fragmentation of land due to increasing population, global warming and climate change, shrinking of natural resources and farmers' distress are the major challenges before us. MPKV has made significant

contribution for agricultural development during the last fifty years, he remarked.

Vice Chancellor Dr. Viswanatha in his presidential address paid due respect to the services rendered by each one in MPKV's successful long journey of 50 years. He said that the hardwork and vision of all former Vice Chancellors, Directors, scientists, staff has made this journey successful. MPKV has always been in the forefront for solving farmers' issues. The work culture of this university is very unique, he added. The university in the last three years has organized innovative programmes like *Kisan Aadhar Sammelan* for the benefit of farmers. He hoped that the integrated farming system model of MPKV would assure sustainable income to the farmers. Appropriate steps have been taken for quality education to the students and research work.

Vice Chancellors of other SAUs in their address lauded MPKV's contribution towards education, research and extension during the last fifty years. Former Vice Chancellor Dr Y. S. Nerkar said that MPKV is a torch bearer for the SAUs and shared experiences of his tenure. Former Vice Chancellor Dr. S. N. Puri in his address said that this is a joyous moment for him. He remembered the contribution of former Vice Chancellor late Dr. M. S. Pawar in building this university in its early years. Former Vice Chancellor Dr. R. B. Deshmukh remembered the efforts of great leaders like late Yashwantrao Chavan, late Vasant Naik, late Annasaheb Shinde, late Baburao Tanpure in establishing and shaping this university. He said that he is a proud alumini of MPKV. Former Vice Chancellor Dr. T. A. More said that MPKV is a knowledge basket and he was proud to serve this university. Former Directors and alumini Dr. D. G. Bhapkar, Dr. D. R. Bapat, Dr. G. K. Sawant and Shri. Sopan Kasar also expressed their feelings on this occasion.



At the outset Dr. Kokate gave the introductory and welcome remarks. Dr. Pharande expressed vote of thanks. Dr. B. D. Bhakre anchored the programme. All the former Vice Chancellors, Directors, Associate Deans, Heads of Departments, Associate Directors of Research, Research scheme heads, scientists, retired staff, progressive farmers and press reporters were felicitated at the hands of Vice Chancellor Dr. Viswanatha.

The ICAR sponsored Best Teachers Awards were awarded to the university teachers (2017-18) Dr. T. S. Bhondve, Associate Professor, College of Agriculture, Pune, Dr. G. B. Kabra, Associate Professor, College of Agriculture, Dhule and Dr. R. D. Bansod, Professor, DrASCAE&T, MPKV, Rahuri. For 2018-19, the awardees were Dr. Ritu Thakre, Associate Professor, College of Agriculture, Dhule, Dr. D. T. Patange, Assistant Professor, College of Agriculture, Kolhapur and Dr. C. S. Patil, Associate Professor, Post Graduate Institute, MPKV, Rahuri.

Dr. K. D. Kokate, Director, Extension Education was felicitated for his super annuation. The Golden Jubilee Souvenir was released on this occasion. Former Vice Chancellors Dr. S. S. Magar, Dr. V. M. Pawar, Dr. S. S. Kadam and Dr. K. E. Lawande; Former Deans Dr. B. H. Mogal, Dr. S. H. Shinde and Dr. B. R. Ulmek; Former Directors of Research Dr. D. G. Bhapkar, Dr. D. R. Bapat and Dr. N. K. Umrani; Former Directors of Extension Education Dr. G. K. Sawant,



Dr. D. M. Sawant, Dr. S. M. Pokharkar and Dr. H. G. More, NRC Directors Dr. N. P. Singh, Dr. Indu Sawant, Dr. Lakhan Singh, Dr. Jyotsna Sharma, DD Kisan women awardee farmer Mrs. Swati Shingade, Registrar Shri. Sopan Kasar, Comptroller Er. Vijay Kote, University Engineer Er. Milind Dhoke, Associate Deans Dr. P. A. Turbatmath, Dr. D. D. Pawar, Dr. S. A. Ranpise, Dr. V. D. Shende, Heads of Departments, farmers, press reporters, staff and students attended the function.

93. Golden Jubilee celebrations at Pune



March 26, 2019. The Golden Jubilee celebrations of the university were organized at College of Agriculture, Pune. Vice Chancellor Dr. K. P. Viswanatha presided over the function. Former Vice Chancellors, Dr. K. V. Prasad, Director, Directorate of Floriculture, Pune and Executive Council member of the university, Dr. Lakhan Singh, Director, ICAR-ATARI, Pune, Dr. A. L. Pharande, Dean, Faculty of Agriculture, Dr. S. R. Gadakh, Director of Research, Shri. Sopan Kasar, Registrar were present on this occasion. Dr. Viswanatha in his presidential address put forth the significant achievements of MPKV, Rahuri during its fifty years of establishment. He said that the university's contribution in education, research and extension education is immense and has contributed for the prosperity of farming community. The economic impact of university developed varieties and technologies is enormous. He urged the students to make efforts for self employment and entrepreneurs. Former Vice

Chancellors Dr. Prataprao Salvi, Dr. V. M. Pawar, Dr. S. S. Magar and Dr. Madangopal Varshney shared their past experiences and association with MPKV. Dr. P. N. Rasal, Associate Dean of the college gave the introductory remarks. Former Associate Deans Dr. N. K. Umrani, Dr. Namdev Patil, Dr. Anant Tendulkar, Dr. Ramchandra Sable, Dr. Bhimrao Ulmek, Dr. Anil Karale, Dr. Ajit Chande and Dr. Dashrath Thawal, Prof. Ramchandra Pokharkar, scientists, staff and students were present for the function. Dr. S. B. Shinde proposed thanks. Dr. Pallavi Suryavanshi anchored the programme. All the former officers, scientists and staff of Pune region were felicitated on the occasion of the Golden Jubilee Year of the university.

94. University Golden Jubilee celebrated at Kolhapur



March 27, 2019. The Golden Jubilee celebrations of the university were organized at Rajarshi Chhatrapati Shahu Maharaj College of Agriculture, Kolhapur. Vice Chancellor Dr. K. P. Viswanatha presided over the function. Prof. Nathaji Chougule, Member, Executive Council of MPKV, Rahuri, Dr. A. L. Pharande, Dean, Faculty of Agriculture, Dr. S. R. Gadakh, Director of Research, Dr. G. N. Khot, Associate Dean, Professor Dr. R. R. Suryavanshi were present on the dais. Vice Chancellor Dr. Viswanatha said that the university is celebrating its Golden Jubilee Year enthusiastically. We are proud of our achievements during these fifty

years but still there are challenges in agriculture which we need to overcome. All the former officers, scientists and staff have taken great efforts and each one has contributed for the achievements in education, research and extension education. Dr. Pharande and Dr. Gadakh in their address took an overview of the significant education and research accomplishments of the university. Former Associate Dean Dr. S. H. Shinde also expressed his views and congratulated the university. Dr. G. N. Khot, Associate Dean of the college gave the introductory and welcome remarks. All the former officers, scientists and staff of Kolhapur region, progressive farmers were felicitated on this occasion. An exhibition was organized to celebrate this historical event. Dr. Pandurang Mohite anchored the programme. Dr. Shivajirao Shinde proposed thanks.

95. Golden Jubilee celebrated at Dhule



March 25, 2019. The College of Agriculture, Dhule organized the Golden Jubilee function of the university at Dhule campus. Vice Chancellor Dr. K. P. Viswanatha presided over the function. Dr. Pankajkumar Mahale, Member, Executive Council of MPKV, Rahuri, Dr. A. L. Pharande, Dean, Faculty of Agriculture, Dr. S. R. Gadakh, Director of Research, Dr. A. M. Musmade, Associate Dean, College of Agriculture, Dhule, Dr. S. B. Kharbade, Associate Dean, College of Agriculture, Nandurbar, Shri. Milind Dhoke, University Engineer, Dr. Sudam Patil, Nodal Officer, College of Agriculture, Muktainagar, Dr. D.

V. Kusalkar, Associate Director of Research, Igatpuri and Dr. S. S. Dodke, Wheat Specialist, Niphad were present on the dais. Vice Chancellor Dr. Viswanatha in his address thanked the former officers, scientists and staff for their contribution to the university's growth. He highlighted the significant achievements of MPKV and further hoped for cooperation of all for the betterment of farming community. Dr. Mahale extended his wishes on the occasion of this golden jubilee of the university. Directors Dr. Pharande and Dr. Gadakh also addressed the gathering. Dr. Musmade gave the welcome and introductory remarks. Former Associate Deans Dr. R. T. Marathe, Dr. D. M. Patel, Dr. Y. M. Shinde, scientists and staff of Dhule region were felicitated during the function. Dr. Patel also spoke on behalf of the retired personnel. Dr. Sandip Patil anchored the programme, while, Dr. Mahesh Patil expressed thanks.

96. TIFAN competition organized



March 18-20, 2019. The TIFAN competition was organized in the university under the aegis of Society of Automotive Engineers (India). Vice Chancellor Dr. K. P. Viswanatha inaugurated the event. Mr. Abhijit Warade, Business Director of John Deer, Dr. D. D. Pawar, Associate Dean, Dr ASCAE&T, Mr. Nilesh Pathak, President, Society of Automotive Engineers, Organizer Mr. Sandip Mahajan and Mr. Sanjay Nibandhe were present on the dais. This national level event focused on the theme Designing of Agricultural Implements and Machinery. In his inaugural address Vice Chancellor Dr. Viswanatha emphasized on

designing and manufacturing of implements and tools for the small and marginal farmers. The young minds of students can play a vital role for this purpose. Farm mechanization is the need of the hour for minimizing the problem of labour shortage. Appropriate machines especially for cotton picking are required, he said. Mr. Mahajan gave the introductory remarks. Mr. Warade, Dr. Pawar, Mr. Pathak and Mr. Nibandhe also addressed the students. Miss. Neha and Vishal anchored the programme, while, Dr. Sachin Nalawade expressed the vote of thanks. The students were given the assignment of developing onion harvester. Twenty four teams from six states participated in the TIFAN-2019 event. The Amrutvahini Engineering College of Sangamner bagged the first prize, while, the Vasantdada Patil Engineering College of Budhgaon, Dist. Sangli was the first runner followed by Dr. D. Y. Patil Engineering College, Kolhapur secured the second runner of the event.

97. Action Plan Workshop of KVKs



March 7-8, 2019. An Annual Action Plan Workshop of 17 KVKs (western region) working under area jurisdiction of MPKV Rahuri was organized at MPKV, Rahuri. Dr. K. D. Kokate, Director, Extension Education, MPKV, Rahuri presided over the inaugural function. Dr. S. R. Gadakh, Director of Research, Dr. P. A. Turbatmath, Associate Dean, PGI, Dr. S. A. Ranpise, Associate Dean, LAE were present on the

dais. In his presidential address Dr. Kokate highlighted the 45 years of journey of KVK. He emphasized on the vision and expectations from the KVKs. He elaborated the implementation of OFTs, FLDs and extension activities by the KVKs. He further said that OFT is a tool for assessing and refining the technologies with the participation of farmers. FLDs are organized for introduction of a new variety with production technologies. Thus, the OFTs and FLDs are the strengths of KVK. He appealed to the KVKs for taking efforts for developing their own identity. Dr. Gadakh in his remarks said that the KVKs have to play a big role in confronting the challenges before agriculture. He gave a brief account of the significant research developed by the university. He also highlighted the impact of MPKV varieties in the economy of Maharashtra. The Integrated Farming System model need to be replicated for the benefit of farmers, he opined. Dr. P. B. Kharde, Officer Incharge, Communication Centre welcomed the dignitaries and the participants for the workshop. Dr. B. A. Deshmukh anchored the programme, while, Dr. G. K. Waman expressed vote of thanks. More than 150 SMS and staff of KVKs participated in the workshop. Heads of Departments and scientists were present for the function.

98. Wheat Day, Farmers rally and Shivar Pheri organized at ARS, Niphad

March 24, 2019. A Wheat day, farmers rally and Shivar Pheri programme was organized at Agriculture Research Station, Niphad in collaboration with ATMA, Nasik on the occasion of the Golden Jubilee Year of the university. Vice Chancellor Dr. K. P. Viswanatha in his presidential address recollected the major accomplishments of the university in the past fifty years. He highlighted the importance of dairy, poultry, goat and sheep rearing and apiculture in the integrated



farming system model. We need to replicate this model which has assured a sustainable income for the farmers. He further said that our agricultural graduates need to be job creators rather than job seekers. Dr. S. R. Gadakh, Director of Research elaborated the research achievements of MPKV. He appealed to the farmers for adopting new technologies developed by the university. The ARS, Niphad has significantly contributed to wheat production of the state, he remarked. Wheat Specialist Dr. Suresh Dodke gave the welcome and introductory remarks and put forth the research achievements of ARS, Niphad. Former Wheat Specialists Dr. B. B. Pawar, Dr. Y. M. Shinde, Dr. P. N. Rasal (Associate Dean, AC, Pune) were felicitated on this occasion. Shri. Milind Dhoke, University Engineer, Dr. D. V. Kusalkar, Associate Director of Research, Igatpuri, Professor Dr. Anil Padhye, scientists and farmers were present in large number for the programme. Dr. B. M. Ilhe expressed thanks. Vice Chancellor inaugurated the Training Hall. Dignitaries and farmers visited the demonstrations of kinnowa.

99. Farmers Rally organized at ARS, Kasbe Digras

March 31, 2019. A farmers rally was organized at ARS, Kasbe Digras in collaboration with Rashtriya Krishi Vikas Yojana, Department of Agriculture and ATMA, Sangli on the occasion of Golden Jubilee celebrations of the university. In his address to the



farmers, Vice Chancellor Dr. K. P. Viswanatha called for collaborative efforts for combating the problem of saline soils in the region. Farmers need to work and implement together the technology for solving this issue. He praised the research work of ARS, Kasbe Digras for the farmers. Dr. S. R. Gadakh, Director of Research, Dr. G. N. Khot, Associate Dean, RSCM College of Agriculture, Kolhapur and Dr. S. D. Gorantiwar, Head, Department of IDE also addressed the farmers. Dr. Dilip Kathmale, Officer Incharge, ARS, K. Digras gave the welcome and introductory remarks. Shri. Basavaraj Tamboli, PD, ATMA, Sangli, scientists and farmers attended the programme.

100. NSS camp of DrASCAE&T students organized



March 1-7, 2019. A seven day camp of National Service Scheme (NSS) students of Dr Annasaheb Shinde College of Agricultural Engineering and Technology, MPKV, Rahuri was organized at Guha

village of Ahmednagar district. The camp was inaugurated at the hands of Dr. K. D. Kokate, Director, Extension Education. Dr. D. D. Pawar, Associate Dean, DrASCAE&T, Dr. Sambhaji Pathare, Principal, Rahuri College, Mrs. Suman Kolse, Sarpanch, Guha, Dr. M. R. Chauhan, Student Welfare Officer, Prof. D. M. Gaikwad, Sports Officer, Prof. Mukund Gund, Programme Officer, NSS were present on this occasion. Dr. Kokate in his address to the students said that the NSS camp is a good activity where they learn to work and develop rapport with the citizens. Also it is a good learning experience for understanding farmers problems and demonstrating agricultural technologies. Dr. Pathare also guided the students. Dr. Pawar in his presidential address hoped that the students will acquire various skills during the camp which will benefit the society. He emphasized on cleanliness which need to be pass on to the people. Dr. Gund gave the introductory remarks.

101. One Day Workshop on Drone technology at Pune



March 25, 2019. A one day workshop on Adoption of Drone Technology in the field of Agriculture was organized by Centre for Advanced Agricultural Science and Technology for Climate Smart Agriculture and Water Management, MPKV, Rahuri under National Agricultural Higher Education Project of Indian Council of Agricultural Research, New Delhi at College of Agriculture, Pune. The workshop was inaugurated by Dr. A. L. Pharande, Dean, Faculty of

Agriculture. He expressed that agricultural graduates have ample employment opportunities in the field of research and production of drone technology. Demonstrations on drone technology were arranged in the workshop and guidance was provided by Engineer Mr. Atul Chaudhary and Entrepreneur Dr. Kishor Gore. Dr. P. N. Rasal, Associate Dean and Principal, College of Agriculture, Pune, Dr. Dilip Pawar, Associate Dean, DrASCAE&T, Dr. S. D. Gorantiwar, PI, CAAST-CSAWM project and participants were present for the programme.

102. Awareness Programme on Bee Keeping



March 15, 2019. A one day awareness programme on bee keeping was jointly organized by College of Agriculture, Pune, Central Bee Research and Training Institute, Pune and Khadi and Village Industries Commission. Shri. Milind Vakode, former Deputy Chief Executive Officer, Khadi and Village Industries Commission explained that pollination is necessary for fruiting of the plants. As honey bee play a vital role in pollination process, introducing honey bees in the crop at flowering stage helps in increasing the yield of crops by 40 to 50 per cent. Shri. Vakode further expressed his view that agricultural students while taking education shall have to look forward towards bee keeping as a source of finance. A short film on 'Beekeeping at Melghat and Wardha' was shown in the programme. Technical guidance on the subject of "Scope of Bee Keeping" and "Pollination and role of Honey Bees"

was provided by Shri. Milind Wakode and Dr. Daisy Thomas, respectively. Bee keeping technology was demonstrated to all the students, employees and officials present. Dr. Daisy Thomas, Former Deputy Chief Executive Officer and Dr. Hemrajsing Muvel, Joint Director, Central Bee Research and Training Institute, Pune, Dr. P. N. Rasal, Associate Dean, College of Agriculture, Pune and Dr. Sunil Masalkar, Principal, College of Horticulture, Pune were present for the program.

103. Scientific visit to NIASM and KVK, Baramati organized



March 12, 2019. The Centre for Advanced Agricultural Science and Technology (CAAST) for Climate Smart Agriculture and Water Management (CSAWM) project, MPKV, Rahuri organized a one day scientific visit to National Institute for Abiotic Stress Management (NIASM) and Krishi Vigyan Kendra, Baramati under the guidance of Dr. P.S. Bodake and Dr. B.D. Bhakre, Member, CAAAST-CSAWM project. The team of 12 Research Associates along with two members of CAAST-CSAWM project visited both the centers. The main aim of this scientific visit was to strengthen research ideas and learned from the ongoing research trials, demonstration plots, climate related activities, infrastructure facilities and advanced technologies that will be helpful to young researchers for conducting trials and demonstrations related to CSAWM.

6. Awards

1. Vice Chancellor Dr. K. P. Viswanatha felicitated with Deshbhakt Balasaheb Bharde Memorial Award-2018



June 27, 2018. Vice Chancellor Dr. K. P. Viswanatha has been felicitated with the Deshbhakt Balasaheb Bharde Memorial Award-2018 at a function organized in Pune. The award was given to Dr. Viswanatha at the auspicious hands of Shri. Shrinivas Patil, Hon'ble Governor of Sikkim for his contribution to agricultural development. Padmashri Dr. D. Y. Patil, Former Hon'ble Governor of Tripura, Shri. Bacchu Kadu, Hon'ble MLA, Shri. Pasha Patel, Chairman, Agriculture Price Commission, M.S., Shri. Ajay Bharde, Executive Head, Padmabhushan Balasaheb Bharde Trust were the dignitaries present on this occasion. Vice Chancellor Dr. Viswanatha has a rich experience in education, research and extension education. He has initiated a cleanliness campaign in the university. He has called for Clean University Green University campaign.

2. Vice Chancellor Dr. K. P. Viswanatha felicitated with Lifetime Achievement Award-2018

November 16, 2018. Vice Chancellor Dr. K. P. Viswanatha was felicitated with the Lifetime Achievement Award-2018 by the Society of Extension Education (SEE), Agra during the IXth National



Extension Education Congress organized at Ranipool, Gangtok, Sikkim. He received the award for his contribution in education, research and extension education. It comprises of certificate and memento. The award was given at the hands of Dr. V.V. Sadamate, Former Advisor (Agriculture), Planning Commission, GoI, New Delhi, Dr. Premjit Singh, Vice Chancellor, CAU, Imphal and Dr. Jitendra Kumar Chauhan, General Secretary, SEE, Agra. Dr. Viswanatha has a rich experience in education, research and extension education. He has initiated a cleanliness campaign in the university. He has called for Clean University Green University campaign.

3. Vice Chancellor Dr. K. P. Viswanatha felicitated with the Achievement Award of ISAB

February 25-27, 2019. A National Conference on Food and Nutritional Security Conclave and the XIVth Convention of the Indian Society of Agriculture Biochemistry (ISAB), Kanpur was jointly organized by the Mahatma Phule Krishi Vidyapeeth and the Indian Society of Agriculture Biochemistry, Kanpur at central campus, Rahuri. Vice Chancellor Dr. K. P. Viswanatha was felicitated with the Achievement Award of ISAB for his significant contribution to agriculture development. Dr R. S. Sangwa was honoured with the



Honorary Fellowship. Dr. R. M. Naik was bestowed with the Excellence Award. Dr. A. A. Kale, Dr. P. K. Lokhande and Dr. D. P. Kachre were awarded the Letter of Appreciation during the function. Scientists across the country participated in this conference.

4. Dr. Atul Atre nominated as Academic Committee Chief of AVISHKAR-2018



September 4, 2018. The Secretary to Hon'ble Governor of Maharashtra and Chairman of Advisory Board for organization of different Inter University Competitions has nominated Dr. Atul Atre, Professor of SWCE, MPKV, Rahuri as Convener of Sub-Committee to Oversee and Study the organization of AVISHKAR-2018 at Gondwana University, Gadchiroli. Dr. Atre has already worked as Member of Sub-Committee to Oversee and Study the organization of AVISHKAR-2014 conducted at Maharashtra Animal and Fisheries Science University, Nagpur and as a Member of Financial Management Sub-Committee for AVISHKAR-2016 at Swami Ramanand Teerth Marathwada University, Nanded. Dr. Atre is associated with AVISHKAR Inter-University competition since its third version in 2008. He was also entrusted with the responsibility of Coordinator for AVISHKAR-2017 held at MPKV, Rahuri.

5. Dr. R. W. Bharud felicitated with Award



August 19, 2018. Dr. R. W. Bharud, Head, Department of Botany has been felicitated with the Bharat Ratna Rajiv Gandhi Award instituted by the Global Economic Progress and Research Association, New Delhi. Dr. Bharud received the award at a function organized in Bengaluru on the occasion of birth anniversary of former Prime Minister late Rajiv Gandhi at the hands of Shri. M. V. Rajasekharan, former Union Minister, Dr. H. Shivanna, Vice Chancellor, UAS, Bengaluru, Shri. Padmanabha Kedilaya, Ex Judge and Dr. R. S. Basha, GS. Dr. Bharud received the award for his contribution to education, research and extension education.

he is also awarded with the Doctor of Letters in Literature (D. Litt.) by the Ashcroft University, London, England (U.K.).

6. Dr. M. C. Ahire felicitated with Best Extension Professional Award



November 16, 2018. Dr. M. C. Ahire, Head, Department of Extension Education and Nodal Officer for ICAR was felicitated with the Best Extension Professional Award by the Society of Extension Education (SEE), Agra during the IXth National Extension Education Congress organized at Ranipool, Gangtok, Sikkim. He received the award for his contribution in education, research and extension education. It comprises of certificate and memento. He received the award at the hands of Dr. V.V. Sadamate, Former Advisor (Agriculture), Planning Commission, GoI, New Delhi, Dr. Premjit Singh, Vice Chancellor, CAU, Imphal and Dr. Jitendra Kumar Chauhan, General Secretary, SEE, Agra. Dr. Ahire has a rich experience of 22 years in the field of education, research and extension education.



7. Human Resource

7.1 Executive Officers

Sr. No.	Executive Officer		Period
1	The Chancellor	Hon'ble Shri. C. Vidyasagar Rao	30 August, 2014 to till date
2	The Pro Chancellor	Hon'ble Shri. Pandurangji Fundkar	8 July, 2016 to 31 May, 2018
		Hon'ble Shri. Chandrakant (Dada) Patil	1 June, 2018 to till date
3	The Vice Chancellor	Hon'ble Dr. K. P. Viswanatha	31 December, 2015 to till date

7.2 Executive Council Member list (1 April, 2018 to 31 March, 2019)

Sr. No.	Category	Hon. Member	Address	Period
1	Ex-officio Chairman	Hon. Dr. K. P. Viswanatha, Vice-Chancellor	Mahatma Phule Krishi Vidyapeeth, Rahuri	--
2	Ex-officio Member	Director of Agriculture (Input & Quality Control) nominated by Agricultural Commissioner, Govt. of Maharashtra	Commissionerate of Agril., Central Building, Pune	--
3	Ex-officio Member	Regional Joint Director of Animal Husbandry nominated by Commissioner of Animal Husbandry	Veternary Dispensary, Near Ashok Stambha, Nashik	--
4	Ex-officio Member	Director of Horticulture	Near Superintendant 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	01/09/2017 to 31/08/2019
7	Nominated Member (Nominated by V.C.)	Dean (Agril.)	Mahatma Phule Krishi Vidyapeeth, Rahuri	01/09/2017 to 31/08/2019
8	Ex-officio Member	Regional Dy. Director of Fisheries, Nasik nominated by Fisheries Commissioner, Govt. of Maharashtra	Old Govt. Ashwin Barrel No.13, Near Divisional Commnissior Office, Nashik Road, Nashik	--



9	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	--
10	Member (Agriculture Scientist)	Dr. Bhaskar Rustamrao Patil	Shahunagar, Khamgaon road, Chikhli, Dist. Buldhana	11/08/2016 to 10/08/2019
11	Member (Progressive Farmers 05)	Shri. Tushar Balasaheb Pawar	A/P Belwade Haveli, Tal Karad, Dist Satara.	08/02/2018 to 07/02/2021
12		Shri. Nathaji Dattatray Chowgule	A/P Malwadi, Kotvali, Tal. Panhala, Dist. Kolhapur	30/07/2018 to 29/07/2021
13		Saw. Sunita Jaywant Patil	A/P Binchur (Bhavaninagar) Tal. Valva, Dist. Sangli	30/07/2018 to 29/07/2021
14		Dr. Pankajkumar Suresh Mahale	Plot. No. 65, Jay Hind Colony, Deopur, Dhule	30/07/2018 to 29/07/2021
15		Dr. Vijayprakash Kisanrao Thombre	A/P Mangalvar Peth, Kej, Dist. Beed	30/07/2018 to 29/07/2021
16	Member (ICAR Nominate) (One)	Dr. K. V. Prasad	Director, ICAR- Directorate of Floriculture Research, College of Agriculture Campus Pune	15/03/2017 to 14/03/2020
17	Agro Industrialist (One)	Vacant Post	--	--



18	Member (Member Maharashtra Legislative Assembly-03)	Hon. MLA, Shri. Shivajirao Kardile	A/P Burhanagar, Tal. & Dist. Ahmednagar	From 21/12/2015 to till to Member of Legislative Assembly
19		Hon. MLA, Shri. Bhausheb Malhari Kamble	Gondhawani, Ward No.01, Shrirampur, Dist- Ahmednagar	From 21/12/2015 to till to Member of Legislative Assembly
20		Hon. MLA, Shri. Rahul Jagtap	A/P Pimpalgaon Pisa, Tal- Shrigonda, Dist-Ahmednagar	From 21/12/2015 to till to Member of Legislative Assembly
21	Member (Member Maharashtra Legislative Council-02)	Hon. MLC, Shri. Prakash Gajbhiye	Sai Prabhu Apartment, Ravi Nagar Chawk, Nagpur	05/10/2015 to 06/06/2020
22		Hon. MLC, Shri. Narendra Darade,	A/P Bhabulgaon, Tal. Yeola, Dist. Nashik	06/02/2019 to 21/06/2024
23	Member (Chairman of Agril. Committee of ZP) (Two)	Vacant Post	--	--
24		Vacant Post	--	--
25	Ex-officio Member Secretary	Registrar	Mahatma Phule Krishi Vidyapeeth, Rahuri	--
26	Invitee	Comptroller	Mahatma Phule Krishi Vidyapeeth, Rahuri	--



7.3 Academic Council Members (1 April 2018 to 31 March 2019)

Sr. No	Category	Hon. Member Name / Designation	Address	Remark
1	Ex-officio Chairman	Hon. Dr. K. P. Viswanatha, 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. ASCAE, 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	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	Head, Department of Agronomy	Mahatma Phule Krishi Vidyapeeth, Rahuri	
16	Ex-officio Member	Head, Dept. of Animal Science and Dairy Science	Mahatma Phule Krishi Vidyapeeth, Rahuri	
17	Ex-officio Member	Head, Department of Agril. Botany	Mahatma Phule Krishi Vidyapeeth, Rahuri	
18	Ex-officio Member	Head, Department of Soil Sci. & Chemistry	Mahatma Phule Krishi Vidyapeeth, Rahuri	
19	Ex-officio Member	Head, Department of Agril. Economics	Mahatma Phule Krishi Vidyapeeth, Rahuri	



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



39	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)				
40	Invitee	Associate Director of Research	NARC, Sub-Montane Zone, Shenda Park, Kolhapur	
41	Invitee	Associate Director of Research	NARC, Plain Zone, Ganeshkhind, Pune	
42	Invitee	Associate Director of Research	NARC, Western Ghat Zone, Igatpuri, Dist. Nashik	
43	Invitee	Associate Director of Research	NARC, Scarcity Zone, Raviwarpeth, Solapur	
Invitee Member (As per decision of AC (95) held on 14/02/11)				
44	Invitee	Principal	College of Horticulture, Pune	
Invitee Member (As per decision of AC (98) held on 14/02/13)				
45	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)				
46	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	19/8/2016 to 18/8/2018 6/9/2018 to 5/9/2020
47	Co-opt. Member	Dr. K. E. Lawande	(Former Vice Chancellor, Dr. BSKKV, Dapoli) C7, Nisarg Phase II, Kaspate Vasti, Wakad, Pune 411 057	30/8/2016 to 29/8/2018 6/9/2018 to 5/9/2020
48	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	06/09/2018 to 05/09/2020
49	Co-opt. Member	Dr. K. V. Prasad	Director, ICAR- Directorate of Floriculture Research, College of Agriculture, Pune Campus 411 005	19/8/2016 to 18/8/2018 6/9/2018 to 5/9/2020
50	Co-opt. Member	Dr. T. V. Satyanarayana	Registrar, Acharya N. G. Ranga Agricultural University, Sri VijayaDurga Towers M. G. Inner Ring Road, Guntur-522509, Andhra Pradesh	19/8/2016 to 18/8/2018



Principal of Affiliated Colleges (MAU Act 1983, Section 33 (2) (viii) read with Statute 4 (viii))				
51	Ex-officio Member	The Principal	College of Agril. Business Management, Narayangaon, Dist. Pune	
52	Ex-officio Member	The Principal	College of Agriculture, Akluj, Dist - Solapur	
53	Ex-officio Member	The Principal	College of Agril. Biotechnology, Vidyanagari, Bhigwan Road, Baramati, Dist - Pune	
54	Ex-officio Member	The Principal	College of Agriculture, Ambi, Tal-Wadgaon Maval, Dist - Pune.	
55	Ex-officio Member	The Principal	K.K.Wagh College of Agriculture, Nasik, Dist - Nasik	
56	Ex-officio Member	Nodal Officer	College of Agriculture, Muktainagar, Jalgaon	
57	Ex-officio Member	Nodal Officer	College of Agriculture, Halgaon, Dist. Ahmednagar	

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	01.04.2018	31.03.2019
2.	Director of Research	Dr. S. R. Gadakh	37400-67000 +10000 AGP + 4000 SPLA	01.04.2018	31.03.2019
3.	Director of Extension Education	Dr. K. D. Kokate	37400-67000 +10000 AGP + 4000 SPLA	01.04.2018	31.03.2019
4.	Associate Dean (PGI)	Dr. J. V. Patil	37400-67000 +10000 AGP + 3000 SPLA	01.04.2018	31.05.2018
		Dr. R. S. Patil	37400-67000 +10000 AGP + 3000 SPLA	01.06.2018	29.09.2018
		Dr. P. A. Turbatmat	37400-67000 +10000 AGP + 3000 SPLA	01.10.2018	31.03.2019
5.	Associate Dean, Agril. Engineering	Dr. D. D. Pawar	37400-67000 +10000 AGP + 3000 SPLA	01.04.2018	31.03.2019
6.	Associate Dean (LAE)	Dr. R. S. Patil	37400-67000 +10000 AGP + 3000 SPLA	01.04.2018	31.05.2018
		Dr. S. A. Ranpise Addl. Charge	37400-67000 +10000 AGP	01.06.2018	31.03.2019
7.	Associate Dean, College of Agril., Dhule	Dr. A. M. Musmade Holding additional charge	37400-67000 +10000 AGP	01.04.2018	31.03.2019



Sr. No.	Designation of post	Name of Officer	Pay Scale (Rs.)	Period	
				From	To
8.	Associate Dean, College of Agril., Pune	Dr. P. N. Rasal	37400-67000 +10000 AGP + 3000 SPLA	01.04.2018	31.03.2019
9.	Associate Dean, College of Agril., Kolhapur	Dr. G. G. Khot Holding additional charge	37400-67000 +10000 AGP	01.04.2018	31.03.2019
10.	Associate Dean, College of Agril., Nandurbar	Dr. P. A. Turbatmat	37400-67000 +10000 AGP + 3000 SPLA	01.04.2018	30.09.2018
		Dr. S. B. Kharbade	37400-67000 +10000 AGP + 3000 SPLA	01.10.2018	31.03.2019
11.	Associate Dean, College of Agril., Karad	Dr. S. B. Kharbade	37400-67000 +10000 AGP + 3000 SPLA	01.04.2018	30.09.2018
		Dr. R. R. Surywanshi Holding additional charge	37400-67000 +10000 AGP + 3000 SPLA	01.10.2018	31.03.2019

7.5 Academic Staff- Head of Department (1.04.2018 to 31.03.2019)

Sr. No.	Designation of post	Name of Officer	Pay Scale (Rs.)	Period	
				From	To
1.	Head, Department of Agronomy	Dr. M. B. Dhonde	37400-67000 +10000 AGP	01.04.2018	31.05.2018
		Dr. A. V. Solanke Holding additional charge	37400-67000 +10000 AGP	01.06.2018	31.03.2019
2.	Head, Department of Soil Science & Agril. Chemistry	Dr. A. D. Kadlag Holding additional charge	37400-67000 +10000 AGP	01.04.2018	31.03.2019
3.	Head, Department of Agril. Botany	Dr. R. W. Bharud	37400-67000 +10000 AGP	01.04.2018	31.03.2019
4.	Head, Department of Entomology	Dr. U. B. Hole Holding additional charge	37400-67000 +10000 AGP	01.04.2018	31.03.2019
5.	Head, Department of Pathology	Dr. S. G. Borkar	37400-67000 +12000 AGP	01.04.2018	31.07.2018
		Dr. C. D. Deokar Holding additional charge	37400-67000 +12000 AGP	01.08.2018	31.03.2019
6.	Head, Department of Horticulture	Dr. S. A. Ranpise	37400-67000 +10000 AGP	01.04.2018	31.03.2019
7.	Head, Department of Animal Science & Dairy Science	Dr. Y. G. Fulpagare	37400-67000 +10000 AGP	01.04.2018	31.03.2019



Sr. No.	Designation of post	Name of Officer	Pay Scale (Rs.)	Period	
				From	To
8.	Head, Department of Food Science & Technology	Dr. S. S. Thorat	37400-67000 +10000 AGP	01.04.2018	31.05.2018
		Dr. U. D. Chavan Holding additional charge	37400-67000 +10000 AGP	01.06.2018	31.03.2019
9.	Head, Department of Agril. Engineering	Dr. S. D. Gorantiwar Holding additional charge	37400-67000 +10000 AGP	01.04.2018	31.03.2019
10.	Head, Department of Agril. Meteorology	Dr. D. S. Pokharkar Holding Additional Charge.	37400-67000 +10000 AGP	01.04.2018	31.03.2019
11.	Head, Department of Extension Education	Dr. M. C. Ahire	37400-67000 +10000 AGP	01.04.2018	31.03.2019
12.	Head, Department of Agril. Economics	Dr. D. B. Yadav	37400-67000 +10000 AGP	01.04.2018	31.03.2019

7.6 Other Officers (1.04.2018 to 31.03.2019)

Sr. No.	Designation of post	Name of Officer	Pay Scale (Rs.)	Period	
				From	To
1.	Registrar	Dr. D. D. Pawar Holding Additional Charge	37400-67000 + 8700 AGP	01.4.2018	31.03.2019
2.	Comptroller	Shri. V. A. Kote	15600-39100 + 6600 AGP	01.04.2018	31.03.2019
3.	Students Welfare Officer	Shri. S. V. Patil, Holding additional charge	15600-39100 + 6600 AGP	01.04.2017	31.10.2018
		Shri. D. M. Gaikwad Holding additional charge	15600-39100 + 6600 AGP	01.11.2018	31.03.2019
4.	University Librarian	Shri. K. N. Patil Holding additional charge	37400-67000 +10000 AGP	01.04.2018	31.03.2019
5.	University Engineer	Shri. M. P. Dhokhe	15600-39100 + 7600 AGP	01.04.2018	31.03.2019



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.	Vice Chancellor	Fix Pay Rs.75,000/- +5000 = 80,000/-	1	1	0
2.	Dean, Faculty of Agril. and Director of Instruction	37400-67000 + GP 10000 +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	1	0
5.	Associate Dean	37400-67000 + GP 10000 +SPL.3000	8	4	4
6.	Head of Departments	37400-67000 + GP 10000	12	5	7
7.	Professor	37400-67000 + GP 10000	95	41	54
8.	Associate Professor	37400-67000 + GP 9000	220	166	54
9.	Assistant Professor	15600-39100 + GP 6000	410	304	106
10.	Sports Officer	15600-39100 + GP 6000	1	0	1
11.	Physical Training Instructor	15600-39100 + GP 6000	6	4	2
12.	College Librarian	15600-39100 + GP 6000	5	3	2
13.	Registrar	37400-67000 + GP 8700	1	1	0
14.	Comptroller	15600-39100 + GP 6600	1	1	0
15.	Student Welfare Officer	15600-39100 + GP 6600	1	0	1
16.	University Librarian	37400-67000 + GP 10000	1	0	1
17.	University Engineer	15600-39100 + GP 7600	1	1	0
18.	Deputy Registrar	15600-39100 + GP 6600	2	1	1
19.	Assistant Registrar/ Assistant Comptroller	9300-34800+GP 4600	20	11	9
20.	Deputy Uni. Engineer	15600-39100 + GP 6900	1	0	1
21.	Asstt.Civil. Engineer	15600-39100 + GP 5400	1	1	0
22.	P.A. to Vice-Chancellor	9300-34800+GP 4600	1	0	1
23.	Medical Officer	9300-34800+GP 4400	2	1	1
24.	Security Officer	9300-34800+GP 4600	1	0	1
25.	Pay and Accounts Officer	9300-34800+GP 4600	3	3	0
			797	551	246



Group-B					
1	Superintendent	9300-34800 + GP-4400	32	22	10
2	Stenographer (H.G.)	9300-34800 + GP-4400	09	05	04
3	Asstt. Superintendent	9300-34800 + GP-4300	55	36	19
4	Stenographer (L.G.)	9300-34800 + GP-4300	18	06	12
5	Sr. Tech. Asstt.	9300-34800 + GP-4300	02	00	02
6	Junior Engineer	9300-34800 + GP-4200 (for graduate) 5200-20200 + GP-2800 (for Diploma)	15	11	04
7	Chief Artist	9300-34800 + GP-4300	01	00	01
8	Movie Cameraman	9300-34800 + GP-4300	01	00	01
9	Sr. Res. Asstt.	9300-34800 + GP-4600 (M.Sc.& II Class & 5 year service) 9300-34800 + GP-4400	127	81	46
10	Veterinary Officer ^{rf}	9300-34800 + GP-4400 (for graduate) 9300-34800 + GP-4300 (for others)	03	00	03
		Sub Total :	263	161	102
Group C					
1	Chief-Cataloguer	5200-20200 + GP 2800	07	02	05
2	Technical Asstt. (Lib)	5200-20200 + GP 2800	01	01	00
3	Sr. Clerk	5200-20200 + GP 2400	150	107	43
4	Steno Typist	5200-20200 + GP 2400	11	03	08
5	Issue Asstt.	5200-20200 + GP 2000	09	05	04
6	Clerk-Cum-Typist	5200-20200 + GP 1900	226	182	44
7	Farm Mechanic	5200-20200 + GP 2400	04	00	04
8	Technical Asstt.	5200-20200 + GP 2800	04	04	00
9	Computer Operator	9300-34800 + GP 4200	03	00	03
10	Nurse	9300-34800 + GP 4200	01	01	00
11	Sr. Artist	5200-20200 + GP 2800	01	01	00
12	Artist-Cum-Photographer	5200-20200 + GP 2800	04	03	01
13	Photographer	5200-20200 + GP 2800	02	02	00
14	Draughtsman	5200-20200 + GP 2800 9300-34800 + GP 4200 (After 4 year service)	07	04	03
15	Mechanical Supervisor	5200-20200 + GP 2800	01	01	00
16	Foremen Supervisor	5200-20200 + GP 2800	02	01	01



17	Asstt. Security Officer	5200-20200 + GP 2800	01	01	00
18	Compounder (Medical)	5200-20200 + GP 2800	02	01	01
19	Sr. Mechanic	5200-20200 + GP 2400	04	01	03
20	Machinist	5200-20200 + GP 2400	01	00	01
21	Fitter	5200-20200 + GP 2400	06	05	01
22	Fitter-Cum-Mechanic	5200-20200 + GP 2400	01	00	01
23	Turner	5200-20200 + GP 2400	03	03	00
24	Welder	5200-20200 + GP 2400	03	02	01
25	Foundryman	5200-20200 + GP 2400	03	01	02
26	Dark Room Asstt.	5200-20200 + GP 2400	02	00	02
27	Audio Visual Operator	5200-20200 + GP 2400	04	01	03
28	Compounder(Vet.)	5200-20200 + GP 2400	04	03	01
29	Blacksmith	5200-20200 + GP 2400 (For ITI) 5200-20200 + GP 2000 (For others)	06	02	04
30	Electrician	5200-20200 + GP 2400	03	01	02
31	Wireman	5200-20200 + GP 2400 (For ITI) 5200-20200 + GP 1900 (For others)	24	13	11
32	Mechanic-Cum-Electrician	5200-20200 + GP 2400	01	01	00
33	Carpenter	5200-20200 + GP 2400 (For ITI) 5200-20200 + GP 2000 (For others)	12	09	03
34	Surveyer	5200-20200 + GP 2400	01	01	00
35	Telephone Operator	5200-20200 + GP 2000	02	01	01
36	Tracer	5200-20200 + GP 2000 5200-20200 + GP 2400 (Ater 7 year service)	07	03	04
37	Printer	5200-20200 + GP 2000	01	01	00
38	Compositor	5200-20200 + GP 2000	02	02	00
39	Tractor Driver	5200-20200 + GP 2000	17	07	10
40	Jeep Driver	5200-20200 + GP1900	67	37	30
41	Maistry	5200-20200 + GP1900	12	05	07
42	Jr. Mechanic	5200-20200 + GP1900	03	02	01
43	Plumber	5200-20200 + GP1900	06	03	03
44	Pump Operator	5200-20200 + GP1900	03	02	01
45	Jr. Res. Asstt.	5200-20200 + GP 4200	170	98	72



46	Agril. Asstt.	5200-20200 + GP 2800 (After 7 years service) 5200-20200 + GP 2400	598	487	111
47	Live-Stock Supervisor	5200-20200 + GP 2400	05	07	(+) 2
48	Jr. Vet. Officer	5200-20200 + GP 4400 (for graduate) 5200-20200 + GP 2800 (for others)	02	01	01
49	Chief Artist	9300-34800 + GP 4300			
SubTotal			1409	1018	395
Group D					
1	Mali	5200-20200 + GP1800 (for Mali Training Certificate Pass) 4440-7440 + GP 1300 (For others)	56	28	28
2	Counter	4440-7440 + GP 1600	54	29	25
3	Khansama	4440-7440 + GP 1600	05	01	04
4	Khalashi	4440-7440 + GP 1600	02	00	02
5	Lab Attendant	5200-20200 + GP 1900 (SSC with Lib. Certificate) 4440-7440 + GP 1300 (For others)	44	25	19
6	Lab-boy/Keeper	4440-7440 + GP 1300	74	35	39
7	Attendant	4440-7440 + GP 1300	14	03	11
8	Paricharak	4440-7440 + GP 1300	01	01	00
9	Guest House Attendant	4440-7440 + GP 1300	02	00	02
10	Lib Attendent	5200-20200 +GP 1900 (SSC with Lib. Certificate) 4440-7440 + GP 1300 (For others)	08	04	04
11	Helper	4440-7440 + GP 1300	12	08	04
12	Wireman Helper	4440-7440 + GP 1300	08	03	05
13	Cleaner	4440-7440 + GP 1300	03	02	01
14	Beldar	4440-7440 + GP 1300	01	00	01
15	Messenger	4440-7440 + GP 1300	00	00	00
16	Security Gard	4440-7440 + GP 1300	15	04	11
17	Sweeper	4440-7440 + GP 1300	23	21	02
18	Peon	4440-7440 + GP 1300	271	133	138
19	Bullock Man	4440-7440 + GP 1300	85	44	41
20	Ploughman	4440-7440 + GP 1300	27	16	11



21	Watchman	4440-7440 + GP 1300	153	74	79
22	Animal Attendant	4440-7440 + GP 1300	15	03	12
23	Milkman	4440-7440 + GP 1300	13	02	11
24	Hamal	4440-7440 + GP 1300	02	02	00
25	Dresser	4440-7440 + GP 1300	04	00	04
26	Plant Collector	4440-7440 + GP 1300	05	01	04
27	Vet Attendent	4440-7440 + GP 1300	03	01	02
28	Store. Asstt.	4440-7440 + GP 1300	01	01	00
29	Musiam Boy	4440-7440 + GP 1300	01	01	00
30	Field Servant	4440-7440 + GP 1300	02	02	00
31	Deliveryman	4440-7440 + GP 1300	06	01	05
32	Dairyman	4440-7440 + GP 1300	02	00	02
33	Gawali	4440-7440 + GP 1300	03	02	01
34	Herdsmen	4440-7440 + GP 1300	03	00	03
35	Polutaryman	4440-7440 + GP 1300	04	02	02
36	Dispensary Attendant	4440-7440 + GP 1300	01	01	00
37	Massion	4440-7440 + GP 1600	04	01	03
38	Calf man	4440-7440 + GP 1300	03	01	02
39	Binder	4440-7440 + GP 1600	01	00	01
40	Ward Servant	4440-7440 + GP 1300	01	01	00
41	Workshop Mazor	4440-7440 + GP 1300	04	03	01
42	Field Mazor	4440-7440 + GP 1300	01	00	01
43	Mazor	4440-7440 + GP 1300	1343	702	641
44	Naik	4440-7440 + GP 1600	04	01	03
Sub total			2284	1159	1125
Grand total			3956	2338	1622



8. Campus Development Activities

List of completed works in Rahuri (2018-19)

Sr. No.	Name of work	Estimated Cost	Fund Head	Remarks
1	Repairs and Renovation to Residential Quarters No. SQ-10 SQ-45, SQ-53, G-57at C.C. Rahuri.	196341/-	Maintenance and Repairs	Work is completed
2	Proposed waterproofing treatment to terrace slabs of Library Building CC, Rahuri.	2156479/-	University Receipt	Work is completed
3	Repairs and Renovation to Resi. Quarters F-25, 28,50,56 E-50,58 and main drainage line at CC, Rahuri.	261855/-	Maintenance and Repairs	Work is completed
4	Repairs and Renovation to quarters E-26,27,31 at CC, Rahuri	163414/-	University Receipt	Work is completed
5	Repairs and Renovation to placement cell and department of Irrigation and Drainage Engineering toilets and other allied works at CC, Rahuri.	253519/-	University Receipt	Work is completed
6	Renovation of FST wheat quality Laboratories, Seminar Hall, HOD cabin at CC, MPKV, Rahuri	864293/-	Maintenance and Repairs	Work is completed
7	Renovation of IFD IWM Laboratory for PGI at CC, MPKV, Rahuri.	447295/-	Maintenance and Repairs	Work is completed
8	Renovation of Bio-chemistry Laboratory room No.138 seminar hall room no.140, room no. 136 for PGI at CC, MPKV, Rahuri.	367565/-	Maintenance and Repairs	Work is completed
9	Renovation of Thermodynamics Lab for Dr. ASCAE at CC, MPKV, Rahuri	912841/-	Maintenance and Repairs	Work is completed
10	Providing and fixing of heavy speed breakers along the internal road at CC MPKV, Rahuri	184900/-	University Receipt	Work is completed
11	Repairs to Existing drainage line and STP tank behind premises to PGI building and farmers hostel at C. C. Rahuri.	225340/-	ICAR - SAU	Work is completed
12	Repairs to hostel UCR masonry wall to PGI premises at C. C. Rahuri.	283794/-	ICAR - SAU	Work is completed
13	Renovation by partition Furniture's to Dean office pantry at C. C. Rahuri.	277866/-	ICAR - SAU	Work is completed



Sr. No.	Name of work	Estimated Cost	Fund Head	Remarks
14	Proposed chain link fencing around Dispensary at C. C. Rahuri.	210022/-	University Receipt	Work is completed
15	Conversion of Laboratory into seminar Hall for soil science and Agril Chemistry at C. C. Rahuri.	285896/-	ICAR - SAU	Work is completed
16	Providing Kerb stone and soil for flower bed in PGI Girl's Hostel at C. C. Rahuri.	170941/-	ICAR - SAU	Work is completed
17	Repairs and Renovation to Instrument cell Laboratory Soil Science and Agril. Chemistry at C. C. Rahuri.	287167/-	ICAR - SAU	Work is completed
18	Renovation of Laboratory into Museum Hall for Soil Science and Agril. Chemistry at C. C. Rahuri.	289979/-	ICAR - SAU	Work is completed
19	Renovation by colouring and waterproofing to Dean office at CC,MPKV, Rahuri	270318/-	ICAR-SAU	Work is completed
20	Repair and renovation of PGI mess at CC, MPKV, Rahuri	1152776/-	Maintenance & Repairs	Work is completed
21	Renovation of Seed Technology Lab. Genetic and plant breeding lecture hall and m.s. grill work for phytotrom lab physiology lab botany department, PGI at CC, MPKV, Rahuri	507689/-	Maintenance & reparis	Work is completed
22	Renovation of Agril. Crop Processing laboratory at Dr. ASCAE & T at CC, MPKV, Rahuri	906363/-	Maintenance & Repairs	Work is completed
23	Renovation of strength of material lab Dr. ASCAE at CC, MPKV, Rahuri	507768/-	Maintenance & Repairs	Work is completed
24	Erection of exhibition Dome pendal stage pre-fabricated stalls electrification and other allied works on rental basis for organization of agriculture exhibition for Kisan Adhar Sammelan 2018 in month of September 2018 at CC, MPKV, Rahuri	1179358/-	University Receipt	Work is completed
25	Erection of Dome pendal stage electrification mobile toilet and other miscellaneous works on rental basis for organization of inauguration function / discussion session for Kisan Adhar Sammelan 2018 month of September 2018 at CC, MPKV, Rahuri	966875/-	University Receipt	Work is completed



Sr. No.	Name of work	Estimated Cost	Fund Head	Remarks
26	Carrying out structural audit of boys hostel at CC, Rahuri (A-B hostel etc)	290178/-	ICAR - SAU	Work is completed
27	Carrying out structural audit of boys hostel at CC, Rahuri (C-D hostel etc)	290178/-	ICAR - SAU	Work is completed
28	Erection of main dome, state pendal electrification and other pendal related works on rental basis for organization of 33 rd convocation programme at CC, MPKV, Rahuri	675900/-	University Receipt	Work is completed
29	Proposed chain link fencing to lysimeter plot No. 42 at CC, MPKV, Rahuri	549580/-	University Receipt	Work is completed
30	Providing water proofing to terrace slab of new reading hall behind old reading hall behind library building at CC, MPKV, Rahuri	277103/-	ICAR - SAU	Work is completed
31	Providing colour coated sheet roofing for Bamboo training center at CC, MPKV, Rahuri	158626/-	Bamboo handicrafts & arty unit	Work is completed
32	Providing and laying tander Shahabad flooring water proofing steel gate to F-80, F-81 Quarters in swapnapurti colony at CC, MPKV, Rahuri	107311/-	Maintenance & Repairs	Work is completed
33	Repairs and renovation by fencing and kerbs and other minor patching repairs to UCR walls to PGI boys hostel at CC, MPKV, Rahuri	284169/-	ICAR - SAU	Work is completed
34	Providing structural repairs & strengthening of RCC by providing guniting works on ground and first floor at Dr. ASCAE at CC, MPKV, rahuri	254332/-	ICAR - SAU	Work is completed
35	Providing structural repairs and strengthening of RCC by providing guniting work on second floor of Dr. ASCAE at CC, MPKV, Rahuri	202189/-	ICAR - SAU	Work is completed
36	Providing structural repairs and strengthening of RCC by providing guniting work on ground floor of PGI faculty building at CC, MPKV, Rahuri	224836/-	ICAR - SAU	Work is completed
37	Providing structural repairs & strengthening of RCC by providing guniting work on first floor of PGI faculty building at CC, MPKV, Rahuri	252347/-	ICAR - SAU	Work is completed



Sr. No.	Name of work	Estimated Cost	Fund Head	Remarks
38	Providing structural repairs & strengthening of RCC by providing guniting work on second floor of PGI faculty building at CC, MPKV, Rahuri	254351/-	ICAR - SAU	Work is completed
39	Repairs to old water tank stands providing ball cocks sintex, water tanks covers taps and other works to hemant, shishir, vasant, sharad PGI boys hostel at CC, MPKV, Rahuri	171847/-	ICAR - SAU	Work is completed
40	Chain link fencing to mango plot in horticulture farm at CC, MPKV, Rahuri	1707817/-	Revolving fund	Work is completed
41	Water proofing to record cell of register office in Dr. ASCAE at CC, MPKV, Rahuri	186250/-	ICAR - SAU	Work is completed
42	Providing water proofing to the terrace slab of B-1, F-65, F-37 and other works at CC, MPKV, Rahuri	262507/-	Maintenance & Repairs	Work is completed



List of works in progress at Rahuri (2018-19)

Sr. No.	Name of work	Estimated Cost	Fund Head	Remarks
1	Repairs and Renovation to toilet blocks drainage line near Library building at C. C. Rahuri.	227957/-	ICAR - SAU	Work is in progress
2	External electrification providing electric supply street lights and other amenities at Punyashlok Ahilyadevi Holkar College of Agriculture, Halgaon, Tal. Jamkhed Dist- Ahmednagar	9876041/-	State Plan	Work is in progress
3	Construction of gene bank at CC,MPKV, Rahuri	25515465/-	State Plan	Work is in progress
4	Construction of intake well, jackwell with pump house and foot bridge for lift irrigation scheme for CC, MPKV, Rahuri	15206009/-	RKVY	Work is in progress
5	Providing and laying 800mm dia HDPE pipeline, 800 & 450 mm dia PSC pipeline, 315mm dia PVC pipe. Balancing chamber to lift irrigation scheme for CC, MPKV, Rahuri	102797821/-	RKVY	Work is in progress
6	Providing internal and external colouring to administrative building at CC, MPKV, Rahuri	1753290/-	Maintenance & Repairs	Work is in progress
7	Providing internal electrification to the college building hostel, library, amenity building, gymkhana, guest house and residential quarters at Punyasholk Ahilyadevi Holkar, College of Agril. Halgaon Tal. Jamkhed	13461093/-	State Plan	Work is in progress
8	Providing internal electrification to the college building hostel, library, amenity building, gymkhana, guest house and residential quarters at Punyasholk Ahilyadevi Holkar, College of Agril. Halgaon Tal. Jamkhed	13461093/-	State Plan	Work is in progress
9	Construction of administrative building boys & girls hostel at Punyasholk Ahilyadevi Holkar Agriculture college at Halgaon	242789000/-	State Plan	Work is in progress



List of completed works in Pune (2018-19)

Sr. No.	Name of work	Estimated Cost	Fund Head	Remarks
1	Renovation of electrification to Boys Hostel (B type) at AC Pune.	290579/-	ICAR SAU	Work is completed
2	Renovation by providing and Fixing color coated profile sheets to shirname hall in Engineering Department at Agriculture College, Pune	787563/-	University Receipt	Work is completed
3	Repairs and renovation to toilet block of horticulture building at Agril. College, Pune	295690/-	ICAR - SAU	Work is completed
4	Providing internal coloring to horticulture building at Agril. College, Pune	294980/-	ICAR - SAU	Work is completed
5	Construction of seed sales counter near main entrance gate and fixing paving block in front of sale counter at Horticulture College, Pune	1574751/-	Maintenance & Repairs	Work is completed
6	Providing and fixing colour coated sheet repairs to floors and drainage line at Rasvanti at Agril. College, Pune	817029/-	Maintenance & Repairs	Work is completed
7	Construction of potting shed in modibaug Nursery at Agril. College, Pune	870943/-	Revolving Fund	Work is completed
8	Renovation of roofing colouring of first year students lecture hall of Agril. Tech. School, Manjari, Dist- Pune	754988/-	Maintenance & Repairs	Work is completed
9	Renovation of roofing and toilet blocks and other allied items for C & D type quarters at Agril. College, Pune	579467/-	Maintenance & Repairs	Work is completed
10	Reparis and renovation to the NSS/ Gym / Store offices of Agril. Tech. School, Manjari, Dist- Pune	451767/-	Maintenance & Repairs	Work is completed
11	Coluring of TV hall of C and D hostel mess Dining Hall at Agril. College, Pune	246341/-	ICAR-SAU	Work is completed
12	Construction of toilet block near to labour quarter of Hi-Tech building at Agril. College, Pune	216118/-	University Receipt	Work is completed



List of works in progress at Pune (2018-19)

Sr. No.	Name of work	Estimated Cost	Fund Head	Remarks
1	Renovation of garden wall with ms grill for lawn in front of New centenary building at AC Pune.	1160858/-	University Receipt	Work is completed
2	Providing waterproofing to porch and terrace slab at horticulture college at Agril. College, Pune	280931/-	ICAR - SAU	Work is completed
3	Repairs and renovation to shirname hall at Agriculture college, Pune	1318291/-	Maintenance & Repairs	Work is completed
4	Repairs and renovation to the Hi-Tech floriculture toilet blocks and agronomy farm building at Agril. College, Pune	602854/-	Maintenance & Repairs	Work is completed
5	Construction of compound wall along mula road side boundry for survey No. 62 at dairy section at Agril. College, Pune	3373483/-	University Receipt	Work is in progress

List of completed works in Kolhapur (2018-19)

Sr. No.	Name of work	Estimated Cost	Fund Head	Remarks
1	Providing 20 mm thick carpet for main road of AC Kolhapur (from main gate to Uchgaon Gate 0/00 to 1/895) Tal-Karvir, Dist- Kolhapur.	1900000/-	ICAR SAU	Work is completed
2	Desilting and deepening of Nursery well at Agril. Tech. School Borgaon, Dist- Satara	253547/-	Maintenance & Repairs	Work is completed
3	Repairs to the Residential quarter and toilet block of hostel at Agril. Tech. School, K-Bawada, Kolhapur	589846/-	Maintenance & Repairs	Work is completed
4	Renovation of seed processing unit and repairs to the roofing and window of various laboratory at Agril. College, Kolhapur	10337183/-	Maintenance & Repairs	Work is completed



List of works in progress at Kolhapur (2018-19)

Sr. No.	Name of work	Estimated Cost	Fund Head	Remarks
1	Renovation of field laboratory implement shed at shiroli farm for RSJRS, Kolhapur	1686549/-	Maintenance & Repairs	Work is in progress
2	Repairs to the office building and residential quarter at NARP, Shenda Park, Kolhapur	2189761/-	Maintenance & Repairs	Work is in progress
3	Construction of laboratory and office building of maize breeder at Kasaba Bawada, Tal. Karveer, Dist- Kolhapur	2113252/-	Product Testing	Work is in progress

List of completed works in Dhule (2018-19)

Sr. No.	Name of work	Estimated Cost	Fund Head	Remarks
1	Renovation of Girls Hostel of Agriculture Tech. School at Jalgaon.	775134/-	Maintenance and Repairs	Work is completed
2	Renovation of old quarters at oil seed research station at Jalgaon.	1550268/-	Maintenance and Repairs	Work is completed
3	Renovation of farmers guest House at Agricultur College, Dhule	3762871/-	Maintenance and Repairs	Work is completed
4	Renovation and repair of Girl's Hostel at Agriculture College, Dhule.	3790908/-	Maintenance and Repairs	Work is completed
5	Renovation of Girl's Hostel of Agriculture Technical School, Dhule.	840160/-	Maintenance and Repairs	Work is completed
6	Renovation of Student Academic Section by providing Aluminum Partition at Agriculture College, Dhule.	273964/-	ICAR - SAU	Work is completed
7	Renovation of P. G. Lab with vitrified tiles and Aluminum Partition in Pathology Section at Agril. College, Dhule.	282188/-	ICAR - SAU	Work is completed
8	Renovation of Roofing of Lab in Academic wing building at Agril. College, Dhule	285035/-	ICAR - SAU	Work is completed
9	Renovation of toilet blocks water supply for Ladies and gents toilet blocks in pathology section at Agril. College, Dhule.	284869/-	ICAR - SAU	Work is completed
10	Renovation of flooring of rooms in boys Hostel (Ground floor Left side) at Agril. College, Dhule.	279766/-	ICAR - SAU	Work is completed
11	Renovation by providing paving blocks for entrance to Girl's Hostel at Agril. College, Dhule.	281353/-	ICAR - SAU	Work is completed



12	Renovation of Electrification of farmers Guest House at Agril. College, Dhule.	255361/-	Maintenance and Repairs	Work is completed
13	Providing Electrical Repairs and Renovation of Girl's Hostel at Agril. College, Dhule.	204412/-	Maintenance and Repairs	Work is completed
14	Providing 3.00 KVA Invertor at Krishi Vigyan Kendra, Dhule.	129845/-	University Receipt	Work is completed
15	Construction of security cabin for main gate at Agril. College, Nandurbar.	258319/-	TSP	Work is completed
16	Construction of flower bed cum retaining wall to administrative building at Agril College, Nandurabar	266567/-	TSP	Work is completed
17	Providing Arch for main gate at Agril. College, Nandurbar	256998/-	TSP	Work is completed

List of works in progress at Dhule (2018-19)

Sr. No.	Name of work	Estimated Cost	Fund Head	Remarks
1	Providing internal Electrification to the office building, Hostels, Library, Amenity building, Gymkhan, Guest house, and Residential quarters at Agriculture College Muktainagar, Dist - Jalgaon.	14835836/-	State Plan	Work is in progress
2	Construction of entrance wall for main gate at Agril. College, Nandurbar	254979/-	TSP	Work is completed
3	Providing ON GNID root top solar energy systems for administrative building boys hostel and grils hostel at Agril. College, Muktainagar, Dist- Jalgaon	1651669/-	State Plan	Work is completed
4	Supplying installation testing and commissioning of automatic electric traction passenger LIFT at Administrative building at College of Agril. Muktainagar, Dist- Jalgaon	1485619/-	State Plan	Work is completed
5	Providing solar hot water systems for boys hostel, girls hostel and guest house at Agril. College Muktainagar, Dist- Jalgaon	1352955/-	State Plan	Work is in progress
6	Providing external electrification and street lights to the office building hostels library amenity building gymkhana guest house & residential quarters at Agriculture College, Muktainnagar, Dist- Jalgaon	12506571/-	State Plan	Work is in progress
7	Construction of administive building boys & girls hostel at agriculture college Muktainnagar Dist- Jalgaon	209572000/-	State Plan	Work is in progress



9. The Financial Status of Universities

During the Financial Year 2018-2019 the grants of Rs.291,33,47 thousand have been received from Government of Maharashtra under Non-Plan Sector, out of these the expenditure of Rs.285,63,43 thousand has been incurred.

The grants of Rs.37,80,94 thousand have been received under Plan Scheme against which the expenditure of Rs.37,80,94 thousand has been incurred.

ICAR, New Delhi, Govt. of India and State Government (other Dept.) grants of Rs.69,92,89 thousand have been received & expenditure out of these grants is Rs.58,82,75 thousand.

During the Financial Year 2018-2019 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.Thosuand)
1.	State Govt. 01- Crop. Husb. (Non-Plan Scheme) (24150025)		
	1) (04) Pension Payment	132,25,77	126,55,73
	2) (31) Asstt. Grants (Non- Salary)	10,53,40	10,53,40
	3) (36) Asstt.Grants (Salary)	146,02,33	146,02,33
	Total Rs.	288,81,50	283,11,46
2.	State Govt. 03 – Ani. Husb. (Non-Plan Scheme) (24150197)		
	1) (36) Asstt. Grants (Non- Salary)	11,55	11,55
	2) (31) Asstt. Grants (Salary)	2,40,42	2,40,42
	Total Rs.	2,51,97	2,51,97
	(Non-Plan) Total Rs.	291,33,47	285,63,43
3.	State Govt. 01- Crop.Husb. (Plan Scheme) (24150072) (2415 1086)		
	1) (31) Asstt. Grants (Non – Salary)	80,00	80,00
	2) (35) Asstt. Grants for Capital Creations.	27,20,00	27,20,00
	3) (36) Asstt.Grants (Salary)	9,80,94	9,80,94
	Total Rs.	37,80,94	37,80,94
4.	College of Agriculture, Nandurbar (24158291)	2,20,00	2,20,00
5.	E.B.C. Scholarship (24150938)	16,00,00	16,00,00
6.	D.C.P.S. State Govt. Share (24151021)	4,20,77	4,20,77
7.	ICAR (75:25) Schemes 75 % Share / Govt. of India etc. Grant -in-aid Schemes	69,92,89	58,82,72
8.	University Revenue Receipts Financial: - The Revenue generated by the University during F.Y. 2018-2019 is Rs.41.01 Crore . From the University Revenue Receipt Rs. 32.79 Crore allotted to various Schemes for Contingency expenditure.		







Tuberose
(Phule Rajat)



Double Bean/Lima Bean
(Phule Suvarn)



Ber
(Phule Shabari)



Sugarcane
(Phule 09057)



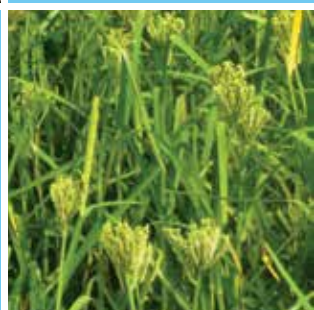
Fenugreek
(Phule Kasturi)



Cotton
(Phule Mahi)



Groundnut
(Phule Dhani)



Fingermillet
(Phule Kesari)



**Mechanically Controlled
Weeder (Phule Hydro)**



Mahatma Phule Krishi Vidyapeeth

Rahuri - 413 722, Dist. Ahmednagar (Maharashtra)
www.mpkv.ac.in