

Annual Report

2016-2017



Mahatma Phule Krishi Vidyapeeth

Rahuri - 413722, Dist. Ahmednagar (Maharashtra)

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Dr. K. P. Viswanatha

Vice Chancellor

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FOREWORD

The University Annual Report for 2016-17 is being presented. The Annual Report of Mahatma Phule Krishi Vidyapeeth, Rahuri for 2016-2017 recounts the year activities and programmes in the fields of Education, Research and Extension. It is the result and fruits of the toil of the faculty, scientists, officials, employees, workers and students of this University. Introduction of new academic programmes, projects and schemes, and construction of new buildings, new publications and new administrative decisions and resolutions went hand in hand with the progress of the University despite several odds. 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.

During the year, there were 15 JRF at the Post Graduate Institute, Mahatma Phule Krishi Vidyapeeth, Rahuri. A majority of the students secured scholarships from various agencies. 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 become entrepreneurs.

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

Mahatma Phule Krishi Vidyapeeth, Rahuri is in the forefront for farm advisory to the farmers of the region. Therefore, thousands of farmers visited the Central Campus and other Colleges and Research Stations. The faculty and the scientists of the University guide them through the field demonstrations, group discussions, publications and laboratories regarding technologies generated by the University for their socio-economic benefit. The response of the farmers is quite encouraging and satisfactory.

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 20th Oct., 1968 has been a center of human resource development to meet the growing demands of the state as well as the nation for trained man power specialized in Agriculture. This is one of the four Agricultural universities in the state with its jurisdiction spread over Western Maharashtra covering 10 districts, viz., Kolhapur, Sangli, Satara, Solapur, Pune, Ahmednagar, Nasik, Dhule, Jalgaon and Nandurabar.

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

1.1 Education

Mahatma Phule Krishi Vidyapeeth is imparting education from diploma to doctoral level 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, Halgaon, Dr. Annasaheb Shinde College of Agricultural Engineering and Technology, Rahuri and College of Horticulture, Pune. The intake capacity of students in constituent undergraduate colleges was 844.

2. Post Graduate level education is imparted by Post Graduate Institute, Rahuri 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 78 Ph.D. students strength is availed at PGI and Dr. ASCAET at Rahuri.
3. Along with these constituent colleges, 64 affiliated colleges are functioning on permanently non-grant basis for imparting the agricultural and allied education in University jurisdiction. It includes 27 Agricultural, 05 Horticulture, 08 Food Science, 09 Agril. Business Management, 06 Agril. Bio Technology, 08 Agricultural Engineering and 01 Animal Husbandry college.
4. The intake capacity of the students at affiliated colleges for B.Sc. (Agri.) course is 2820, B.Sc (Hort): 240, B.Tech (Agril. Engg.) 440, B.Sc (Agri. Bio.Tech) 400, BBM (Agri) 440 and B.Tech (Food Tech) 400, B.Sc. (Animal Husbandry) 30, Total 4770 students were admitted in first year.
5. During the year 2016-17, different scholarships/ fellowships were provided to students as given below :

Sr. No.	Name of Scholarships / Fellowships	No. of Students
1	Inspire Fellowship	16
2	Rajiv Gandhi Fellowship(Ph.D)	29
3	BARTI Fellowship	04



4	JRF Fellowship	15
5	NTS Fellowship	14
6	Govt. of India means cum merit Scholarship	10
7	Merit –cum means Scholarship	16
8	Handicap Scholarship	02

6. NET Exam was qualified by 18 students of the University during the year 2016-17.
7. A farmer training on Polyhouse Technology was conducted at Dr. ASCAE & T, MPKV, Rahuri during 29-30 September, 2016.
8. Through capacity building programmes 80 faculty members completed Winter School/Summer School/Refresher courses, National, International Conferences at various places of the country during the year 2016-17.
9. Twenty three Guest lectures and 03 Adjunct Faculty lectures were conducted in University.
10. Special Training on “Advances in irrigation water management” was conducted from 11 to 17 May 2016 by the experts Dr. A.L. Pharande, Dr. R.B.Nazirkar, Dr. N. J. Ranshur, Dr.P.P.Kadu, Dr. A.G.Durgude and Dr.A.D.Kadlag.
11. The Department of Food Science and Technology

conducted one month training on Fruits and Vegetable programme to Youth and Women from 1.8.2016 to 30.8.2016.

12. The Tree Plantation programme was organized on 15.8.2016.
13. Celebrated Van Mahotsav 2016-17 on 1.7.2016.
14. Dr. S.P. Raychaudhuri memorial lecture was organized by Rahuri Chapter of Indian Society of Soil Science on 20.8.2016. Dr. Tapas Bhattacharyya, Vice Chancellor, Dr. BSKKV, Dapoli delivered the lecture on the topic “Soil Diversity in India.”
15. Workshop on Management of Problematic Soils was organized for M.Sc (Agri.) and Ph.D students and faculty of SSAC.
16. Dr. D.M. Choudhari, Ph.D. student, Dept. of Animal Husbandry and Dairy Science had obtained patent for his Invention entitled “Whey Utilization in Preparation of Alcoholic Beverage” on 17.11.2016.
17. Thirteen staff members and students received Awards from various institutes during year 2016-17.
18. Various Inter Collegiate Sport events were organized in University as given below :

Sr. No.	Inter Collegiate Event	Place and Date	Winner
1	Chess	College of Agriculture, Maldad on 15 th and 16 th July, 2016	PGI, MPKV, Rahuri
2	Mallkhamb	College of Agriculture, Baramati	
3	Table Tennis (Men)	College of Agriculture, Shahada on 27 th and 28 th July, 2016	Dr. ASCAE & T, MPKV, Rahuri
4	Table Tennis (Women)		College of Agriculture, Pune
5	Badminton (Men)		Shramshakti College of Agriculture, Maldad
6	Badminton (Women)		College of Agriculture, Pune



7	College of Agriculture, Talsande on 15 th and 16 th July, 2016	College of Agriculture, Talsande on 15 th and 16 th July, 2016	College of Agriculture, Talsande
8	Basket Ball (Women)		College of Agriculture, Talsande
9	Kabaddi (Men)	College of Agriculture, Babhulgaon Yeola on 2 nd and 3 rd September, 2016	AC, Pune
10	Kabaddi (Women)		AC, Baramati
11	Kho-Kho (Men)	College of Agriculture, Sonsal Hingangaon, Tal-Kadegaon on 8 th and 9 th September, 2016	AC, Rethare
12	Kho-Kho (Women)		AC, Baramati
13	Foot Ball (Men)	MIT College of Food Technology, Pune on 28 th and 29 th September, 2016	MIT CFT, Loni
14	Weight Lifting and Best Physique	College of Agriculture, Jainapur on 18 th and 19 th December, 2016	AC, Kolhapur
15	Wrestling	College of Agriculture, Jainapur on 18 th and 19 th December, 2016	AC, Sonai

Students of Mahatma Phule Krishi Vidya Peeth, Rahuri participated in various Inter University Tournaments during year 2016-17 as given below :

Sr. No.	Event	Date	Organizing University
1	Chess (Women)	17 - 21 October, 2016	Baraktullah University, Bhopal
2	Chess (Men)	23 - 27 October, 2016	Baraktullah University, Bhopal
3	Badminton (M and W)	24 - 27 October, 2016	Swami Ramanand Tirth Marathwada, Vidyapeeth, Nanded
4	T-20 Cup Vice Chancellor Staff Cricket Tournament.	5 - 22 November, 2016	Punjab Agril. University, Ludhiyana. (PB)
5	Mallkhamb	3 - 5 January, 2017	Punjab University, Chandigarh
6	Football	4 - 12 January, 2017	Baraktullah University, Bhopal
7	Cricket	15 - 28 January, 2017	Baraktullah University, Bhopal
8	Weight Lifting and Best Physique	7 - 9 February, 2017	Punjab University, Chandigarh
9	Wrestling	25 - 27 February, 2017	Chaudhary Devilal University, Sirsa



19. The Maharashtra State Inter University Cultural Youth festival “Indradhanushya 2016” was organized from 5th to 9th November, 2016 at Dr. Babasaheb Ambedkar Marathwada Vidyapeeth, Aurangabad and the team of MPKV, Rahuri participated in this competition.
20. The 20th Maharashtra State Inter University Krida Mahotsav Sports Meet 2016 was organized at Vasantrao Naik Marathwada Krishi Vidyapeeth, Parbhani from 27th November 2016 to 1st December 2016. Following teams of MPKV, Rahuri participated in this tournament- 1) Kho-Kho (Men) 2) Kho Kho (Women) 3) Basket Ball (Men) 4) Basket ball (Women) 5) Volley Ball (Men) 6) Volley Ball (Women) 7) Kabaddi (Men) 8) Kabaddi (Women) 9) Athletics (Men) 10) Athletics (Women). The MPKV team secured the prize of Best March Past of the Competition.
21. Four teams of MPKV, Rahuri participated in Ag Hack, 2016 held on 21st November, 2016 at Chandigarh. Mr. Tushar Nana Patil, second year MBA (Agri) student of College of Agril., Pune and his team secured first prize of Rs. 100000/- cash for their presentation in Ag Hack 2016.
22. Maharashtra State Inter University Social and Cultural Youth Festival Utkarsha 2016-17 was held at Savitribai Phule Pune University, Pune from 27th February to 1st March 2017. The team of 18 students of MPKV, Rahuri participated in this youth festival.
23. The Maharashtra State Inter University Research Convention Avishkar 2016-17 was organized at Swami Ramanand Tirth Marathwada University, Nanded from 27th to 29th January, 2017. The teams of MPKV, Rahuri participated in Maharashtra State Research Convention Avishkar 2016-17.
24. The Blood donation camp was organized with the help of Civil Surgeon, Ahmenagar on 26th January, 2017 at Central Campus, Rahuri. Dr. K.P. Viswanatha, Vice Chancellor, MPKV, Rahuri inaugurated the blood donation camp. Total 121 blood bags were donated by the students and staff of MPKV, Rahuri.
25. The University Level Agril. Tech. Schools tournament was organized by this Univeristy at C.C. Rahuri during 11 and 12 January, 2017.
26. The XVII All India Inter Agril-Universities Sports and Games Meet 2016-17 was held at CCS Haryana Agricultural University, Hisar (Haryana) from 25th to 29th March, 2017. The team of 41 Students participated in XVII All India Inter Agril-Universities Sports and Games Meet 2016-17.
27. The following students have participated in National level Anveshan 2016-17 held at Annamalai University, Tamilnadu from 26th to 29th March, 2017 and secured the cash prizes of Rs. 25000/- each.

Sr. No.	Category for Anveshan	Title of Project	Name of Student	College	Rank
1.	Agriculture and Animal Husbandary	Innovative and affordable onion storage structure	Mr. Saurabh Jaiswal	Dr. ASCAE & T, Rahuri	3rd
3.	Pure Sciences	MIMICKING NATURE turns sewage to bio-crude oil in minutes	Mr. Hirish B. Pawar	AC, Pune	3rd



1.2 Research

1. The University has released 11 new varieties i.e. Bajra (Phule Mahashakti), Rajma (Phule Rajma), Barti (Phule Barti), Sugarcane (Phule 10001), Groundnut (Phule Bharti), Oat (Phule Surbhi), Marvel Grass (Phule Marvel - 1), Madras Anjan grass (Phule Madras Anjan - 1), Tomato (Phule Kesari), Sponge Gourd (Phule Komal) and Custard apple (Phule Hybrid - 13).
2. The University has released 2 Agri. Farm Implements - Power operated Phule Sugarcane Sett Cutter and Tractor operated Phule Sugarcane Transplanter.
3. The University has passed 60 recommendations on various aspects for the benefit of the farming community.
4. The University has produced 33080 quintals of seed.
5. A total of 14.42 lakh planting material of fruit crops and ornamental plants was produced by University.
6. A total of 490 litre and 62 q. of biopesticides and 47 MT and 5500 litres of biofertilizers were produced by various centers of the University.
7. The University has organized 4037 extension programs and 4037 were the beneficiaries.
8. A total of 908 method demonstrations, 457 Result demonstrations, 554 Front line demonstrations and 350 assessment trials were conducted and 5181 farmers were benefitted from these demonstrations.
9. During the year different 1817 Extension Education methods and Aids viz. group discussions, meetings, field visits / shivar pheries, field days, Farm & Home visits, Farmers rallies, Agril. Exhibition, Study tours were organized for promoting Agricultural Technologies to the end users.
10. Diagnostic and surveillance team has visited at 315 places to guide the farming community.
11. Different publications viz. Krishi darshani (15000), Shri Sugi (9000), Folders (25000), booklets, MPKV Happenings were released by the University and made available to the end users.
12. Nearly 98778 VIP's, students, farmers, trainees and officers visited central campus, MPKV, Rahuri and 80101 visited other centers to acquire recent knowledge of Agriculture and allied enterprises.
13. The University scientists attended 46408 Help line

1.3 Extension Education

1. About 404 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. 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., Horticulture, Agricultural Biotechnology, Food Technology, Post Harvest Technology, Soil Science, 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. (Agri.)

Agriculture education is imparted to develop skilled human resource for developing sustainable agriculture farming system leading to technological and economic empowerment of practitioner of agriculture. B.Sc (Agri) is a four-year degree course spread over 8 semesters with 160 credit work load. Total 123 course credits of B.Sc. (Agri.) degree are completed upto first six semesters. In VIIth semester, Rural Agricultural Work Experience (RAWE) programme is implemented, which exposes students to the rural life and farming situations and the constraints in adoption of modern technology by the farmers. In VIIIth semester in Experiential Learning programme, the students will undergo internship in any one of the following industries / companies / institutes i.e. seed, fertilizer, pesticides industries, biotechnological, biopesticides industries, commercial nurseries, sericulture units, food processing units, agriculture finance institutions /banks/credit societies etc. Maharashtra Agricultural University Examination Board, Pune conducts common semester end theory examinations of the undergraduate programme. Under this University, 9 constituent colleges and

27 affiliated agricultural colleges offer B.Sc. (Agri) degree programme.

B.Sc. (Hort.)

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 (Hort) is a four year degree course spread over 8 semesters. The total credits requirement for the B.Sc. (Hort.) degree Course are 165. In VIIth and VIIIth semester, 14 weeks Hands on Training and 6 weeks Industrial Training are conducted on nursery management and protected cultivation, respectively. This program is implemented by one constituent college and 5 affiliated horticultural colleges of the University.

B. Tech. (Food Science and Technology)

B.Tech. (Food Science and Technology) is a 4 year degree course spread over 8 semesters. Out of total 180 credits, 125 course credits are completed upto VIth semester. In VIIth semester 25 (15+10) credits are recommended for Hands on Training, on- campus (15 credits) in various departments of college and off - campus training in other colleges of Food Technology (10 credits). At least, in two areas Hands on Training is offered to the students by the college depending upon local needs and industrial demands. In VIIIth semester, Inplant training (off campus) for six months in food industries / Institutes for 30 credits is offered to the students and evaluation is done by host industries.

The basic objective is to provide the skilled man power for commercial food processing unit, R and D department, 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 eight affiliated colleges of the University.



B. Sc. (B.B.M.)

B. Sc. (B.B.M.) 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 passouts will reach to the expectation. The course helps students to get acquainted with the knowledge regarding agriculture, agri. economics, agri. marketing and agri. business management. Out of total 160 credits, 120 course credits are completed upto VIth semester. In VIIth semester 20 credits are recommended for Experiential Learning. In all, five modules are developed and a batch of five students, maximum 20 students are allotted for each module. 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 VIIIth semester students are offered 20 credits in Inplant Training. The students in this programme live in villages along with farmers adopting latest technologies, afterwards work in processing / marketing units and have one week study tour. The programme is implemented at 9 affiliated colleges of the University.

B. Sc. (Agri. Bio-Tech)

B.Sc.(Agri. Biotech) is a 4 year degree course spread over 8 semesters. Since biotechnology is integrated science of various disciplines, this UG programme comprises five departments viz., Biochemistry and Molecular Biology, Plant Biotechnology, Post Harvest and Food Biotechnology, Animal Biotechnology and Crop Science. The principal having specialization in the field of Biotechnology is the Head of the college.

Out of VIIIth semesters, upto VIth semester various courses are offered to the students. However, in VIIth semester practical oriented cafeteria courses are offered. In VIIIth semester hands on training programme comprising individual

project is offered in order to acquire the enough knowledge in Biotechnology for their future job / project. There are 6 affiliated Agril. Biotech colleges under MPKV, Rahuri for creating human resource in Agril. Biotechnology.

B.Sc. (Animal Husbandary & Dairy Science)

B.Sc. (Animal Husbandary & Dairy Science) is a 4 year degree course spread over 8 semesters. Since, livestock is an integral component of agri and allied business, this UG programme is being implemented at one affiliated college under the jurisdiction of MPKV, Rahuri.

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 with land holding of 90 ha. 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 southern most 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. This college has celebrated its Golden Jubilee Year in the year 2013. This college has annual intake capacity of 190 students with land holding of 85.55 ha. 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 set up 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 has a total land holding of 206.43 ha. 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 was established in the Birth centenary year (2013) of Hon'ble Ex-Chief Minister of Maharashtra Late Yashwantrao B. Chavan. The dream of Hon'ble Late Yashwantrao B. 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 dream came to reality through the initiative from the Hon'ble Ex-Chief Minister of Maharashtra Shri. Prithviraj Chavan on 16/07/2013 and actual working was started on 16/08/2013 with intake capacity of 60 students as a historic first batch of this college. Subsequently in the year 2014-15, 60 students have taken admission in this college as second batch of this college. In brief, the intake capacity of this college is 60 students, presently in the first year 2015-16, 60 (59+01) students are admitted, second year 71 (59+12) and in third year 42 students are admitted and total strength rose to 173, respectively.

f) College of Agriculture, Nandurbar



The Nandurbar district was established on 1.7.1998 from 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 and 80 per cent reservation for tribal students.

g) College of Agriculture, Muktainagar

The college was established in 2015. It has an intake capacity of 60 students per year. It offers under graduate B.Sc. (Agri.) degree programme.

h) College of Agriculture, Halgaon

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

1.2 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 and 06 Colleges of Agril. Biotechnology, 08 Colleges of Agril. Engineering and 01 College of Animal Husbandry.

1.3 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.

M.Sc. (Agri.)

The M.Sc (Agri.) degree course is of two years 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 into Major subjects (20 credit), Minor subjects (09 credit), Supporting subjects (05 credit), 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 thesis. 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, 52 at College of Agriculture, Kolhapur and 28 at College of Agriculture, Dhule.

Ph. D. (Agriculture)

The Ph.D. degree programme is of three years spread over six semesters. The credit requirement for the course is 75; out of which 30 credits are for course work and 45 credits for research work. The course work is split into Major subjects (15 credit), Minor subjects (08 credit), Supporting subjects (05 credit), Seminar (02 credit), 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 undertakes sufficient 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.

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 and Plant Breeding, Seed Science and 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.

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 24 and 4, 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.

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. All these colleges offer undergraduate degree program leading to B. Tech. (Agril. Engg.) degree, whereas, the constituent college at Rahuri offers the postgraduate program in agricultural engineering leading to M.Tech. (Agril. Engg.) degree. The Ph.D. degree programme was started in the year 2011 in three disciplines viz., APE, IDE & SWCE.

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 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 four in each discipline was initiated in 1982. Dr. A. S. College of Agril. Engg. and Technology has recently started the Ph. D. in Agril. Engineering in the year 2011 by course work and research in the disciplines viz., Agril Process Engineering, Irrigation and Drainage Engineering and Soil Water Conservation Engineering.

In addition to the academic programmes, the faculty has the following ongoing projects. All India Coordinated Research Project on Utilization of Groundwater through Wells and Pumps, Precision Farming Development Centre, AICRP on Farm Implement and Machinery, Remote Sensing Laboratory, and the Tractor Training Laboratory. The programme is implemented at 8 affiliated colleges of the University.

Lower Agricultural Education

Under the Lower Agricultural Education, Diploma programme is offered through 10 constituent and 81 affiliated Agri. Tech Schools/Agril. Polytechnic in the jurisdiction of the University. Total intake is 5460. The concept of lower agricultural education revolves around improving the competency of participating students and providing trained manpower at the grassroot level. The students who pass the 10th standard (S.S.C.) examination are admitted on district merit list for Agri.



Tech. Schools. Besides this 1 constituent and 3 Mali Training Centres conduct one year certificate course.

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 is available at three places at central campus and 8 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 for students and scientists. This is the mega project of MPKV under special funds received from ICAR, New Delhi.

University Library



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
- ETAD (E-Theses Abstract Database)
- Viewing Video Cassettes, DVDs through TV/VCR
- Krishi Prabha
- Course conducted
- Remembrance Day of Dr. S.R.Ranganathan
- One Day Workshop
- OPAC (Online Public Access Catalog)

The University Library, MPKV, Rahuri started functioning at Central Campus in the year 1971. Since its inception, the library is developing steadily 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 years. In this age of information technology tremendous changes have been 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.

Library Budget

During the year under report, the University Library, Central Campus, Rahuri received the grants of Rs. 41.51 lakh for salary and Rs. 2.14 lakh for contingent expenditure and University fund of Rs. 8.91 lakh in addition to that Rs. 44.00 lakh from the ICAR grants New Delhi. This library received total grants of Rs. 96.56 lakh during the year under report.

Acquisition of Books and Journals

During the year under report the library received 580 books, 249 theses thus making total collection of 1,16,936 as on 31.3.2016. The library purchased 139 e-books for the year 2016. The library is also receiving 18 journals against exchanges of JMAU and 40 journals on gratis with subscribed journals.

Educational Institutes

Sr.No	Name of Institute	Name of the Course/ Degree	Intake Capacity
A) Constituent Colleges			
1.	Post Graduate Institute, Rahuri	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.M. (Agri.)	30
		B.Sc. (Agri.)	190
3.	College of Agriculture, Kolhapur	M.Sc. (Agri.)	48
		M.Sc. (Hort.)	4
		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.	College of Agriculture, Halgaon	B.Sc. (Agri.)	60
9.	College of Horticulture, Pune	B.Sc. (Hort.)	32
10.	Dr.Annasaheb Shinde College of Agril.Engginering and Technology, Rahuri	Ph.D.	6
		M.Tech.(Agril.Engg)	12
		B.Tech. (Agril.Engg)	64
B) Affiliated Colleges			
1.	College of Agriculture, Akluj, Tal. Malshiras	B.Sc. (Agri.)	120
2.	College of Agriculture, Baramati	B.Sc. (Agri.)	180
3.	College of Agriculture, Sonsal Hingangaon, Tal. Kadegaon	B.Sc. (Agri.)	120
4.	Maratha Vidya Prasarak, College of Agriculture, Nasik	B.Sc. (Agri.)	120
5.	College of Agriculture, Rethare	B.Sc. (Agri.)	120
6.	College of Agriculture, Sonai	B.Sc. (Agri.)	180
7.	K.K.Wagh College of Agriculture, Nasik.	B.Sc. (Agri.)	120
8.	College of Agriculture, Rajmachi	B.Sc. (Agri.)	120
9.	Dr.Ulhas Patil College of Agriculture, Jalgaon	B.Sc. (Agri.)	120
10.	College of Agriculture, Ambi, Talegaon Dabhade	B.Sc. (Agri.)	120
11.	College of Agriculture, Shahada, Dist. Nandurbar	B.Sc. (Agri.)	120
12.	College of Agriculture, Wadala	B.Sc. (Agri.)	120
13.	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.	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	B.Sc. (Agri.)	60
21.	College of Agriculture, Ghargaon	B.Sc. (Agri.)	60
22.	Sharad College of Agriculture, Jainapur	B.Sc. (Agri.)	60
23.	College of Agriculture, Paniv	B.Sc. (Agri.)	60
24.	College of Agriculture, Vilad Ghat, Ahmednagar	B.Sc. (Agri.)	60
25.	College of Agriculture, Nesari, Kolhapur	B.Sc. (Agri.)	60
26.	College of Agriculture, Malegaon, Nashik	B.Sc. (Agri.)	60
27.	College of Agriculture, Bhanashiwra, Newasa, Ahmednagar	B.Sc. (Agri.)	60
28.	College of Horticulture, Phaltan	B.Sc. (Hort.)	80
29.	College of Horticulture, Sonsal-Hingangaon Tal. Kadegaon	B.Sc. (Hort.)	40
30.	K.K.Wagh College of Horticulture, Saraswatinagar, Nashik	B.Sc. (Hort.)	40
31.	College of Horticulture, Malegaon, Dist. Nashik	B.Sc. (Hort.)	40
32.	College of Horticulture, Paniv	B.Sc. (Hort.)	40
33.	College of Agri. Engineering, Jalgaon	B.Tech (Agril. Engg.)	80
34.	College of Agri. Engineering, Talsande	B.Tech (Agril. Engg.)	80
35.	K. K. Wagh College of Agril. Engineering, Nasik	B.Tech (Agril. Engg.)	80
36.	College of Agril. Engineering, Yashwantnagar, Tal. Karad	B.Tech (Agril. Engg.)	40
37.	College of Agril. Engineering, Mirajgaon	B.Tech (Agril. Engg.)	40
38.	College of Agril. Engineering, Paniv	B.Tech (Agril. Engg.)	40
39.	College of Agril. Engineering, At. Maldad	B.Tech (Agril. Engg.)	40
40.	College of Agril. Engineering, Rajmachi	B.Tech (Agril. Engg.)	40
41.	MEER's MIT College of Food Technology, Loni Kalbhor	B.Tech. (Food Tech.)	80
42.	Mokashi College of Food Technology, Rajmachi	B.Tech. (Food Tech.)	80
43.	K.K.Wagh College of Food Technology, Nashik	B.Tech. (Food Tech.)	80
44.	College of Food Technology, Maldad	B.Tech. (Food Tech.)	80
45.	College of Food Technology, Jalgaon	B.Tech. (Food Tech.)	40
46.	College of Food Technology, Diwanmala	B.Tech. (Food Tech.)	40
47.	College of Food Technology, Wagholi	B.Tech. (Food Tech.)	40
48.	College of Food Technology, Ghargaon	B.Tech. (Food Tech.)	40
49.	College of Agri. Bio-Technology, Loni, Tal. Rahata	B.Sc. (Agri. Bio-Tech.)	80
50.	K.K. Wagh College of Agri. Bio-Technology, Nasik	B.Sc. (Agri. Bio-Tech.)	80
51.	College of Agri. Bio-Technology, Wadala	B.Sc. (Agri. Bio-Tech.)	40
52.	Modern College of Agri. Bio-Technology, Paud, Tal. Mulshi	B.Sc. (Agri. Bio-Tech.)	40
53.	College of Agri. Biotechnology, Rajlakshmi Found. At. Madadgaon	B.Sc. (Agri. Bio-Tech.)	80



54.	College of Agri. Biotechnology, Baramati	B.Sc. (Agri. Bio-Tech.)	40
55.	College of Agricultural Business Management, Akurdi	B.B.A. (Agri.)	80
56.	College of Agri. Business Management, Narayangaon, Tal. Junnar	B.B.A. (Agri.)	80
57.	College of Agricultural Business Management, Sangli	B.B.A. (Agri.)	40
58.	College of Agri. Business Management, Gunjalwadi, Tal. Sangamner	B.B.A. (Agri.)	40
59.	College of Agri. Business Management, Loni, Tal. Rahata	B.B.A. (Agri.)	40
60.	College of Agricultural Business Management, , Nashik	B.B.A. (Agri.)	40
61.	College of Agricultural Business Management, Wadala	B.B.A. (Agri.)	40
62.	College of Agricultural Business Management, Baramati	B.B.A. (Agri.)	40
63.	College of Agri. Business Management, Paniv, Solapur	B.B.A. (Agri.)	40
64.	College of Animal Husbandry, Baramati	Animal Husbandry	30

C) Agril.Tech.Schools and Mali Training Centers

1.	Ghatak Krishi Tantra Vidyalaya Manjari farm (Pune), Kolhapur, Dhule, Borgaon (Satara), Solapur, Digra (Sangli), Puntamba (Ahmednagar), Jalgaon, Malegaon (Nashik)	Agril Diploma	60 (each)
2.	Agril Tech.School, Manjari farm (Girls)	Agril Diploma	60
3.	Private Agril Tech. Schools/ Polytechnics (Total - 80)	Agril Poly. Diploma	60 (each)
4.	Mali Training Center, GaneshKhind, Pune	Certificate Course	40
5.	Private Mali Training Center, (Total - 04)	Certificate Course	40 (each)

Passout Students of Graduate, Post Graduate, Agril. Diploma & Agril. polytechnic of MPKV, Rahuri (Academic year 2016-17)

Sr.No.	Programme	Passout students
Graduation		
1	B.Sc. (Agri.)	2359
2	B.Sc. (Horti.)	149
3	B. Tech (Agri.Engg.)	244
4	B. Tech (Food Technology)	212
5	BBM(Agri.)	186
6	B.Sc. (Agri. Bio.Tech.)	215
Total		3365
Ph.D. and Post Graduation		
7	Ph.D.	73
8	M.Sc.(Agri.)	248
9	M.Sc.(Horti.)	18
10	M. Tech.(Agril. Engg.)	15
11	MBM	60
12	M.Sc.(Biotech)	5
Total		419
Agril. Diploma & Agril. Polytechnic		
13	Agril. Diploma	908
14	Agril. Polytechnic	1249



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 76 non-plan schemes funded by State Govt., 47 AICRPs on different crops /plant sciences, 2 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 47 years, the University has released quite good number of high yielding varieties (more than 257) 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 micro propagation, 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 released 11 crop varieties and 2 farm implements along with 60 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

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, Coffee, 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 Buffalo, Horticultural Systems, Sugarcane	Grasses, Rainfed fruits and 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, Bajra, Pulses (K), Sorghum (R)
6. Padegaon (State Level)	Sugarcane, Sugarcane based Farming and 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 utilized crops	
8. Kopergaon	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, Betelvine, Rainfed Cotton	Pulses, Sorghum (K), Soybean, Sunflower



crops, this University has planned various research and extension programmes. Emphasis is given on sustainable agriculture, including poultry, sheep and goat rearing, apiculture, fisheries, sericulture etc.

The 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

1. Bajra - *Phule Mahashakti*

Bajra hybrid Phule Mahashakti (DHBH-1211) is recommended for *kharif* cultivation in Maharashtra.

Salient Features

- Higher grain yield (3070 kg/ha) over *Shraddha*, *Saburi* and *Shanti* by 74, 41 and 35 percent, respectively.
- Rich in iron content (84 ppm iron)
- Suitable grain hybrid for food to anemic children and adults.
- Medium maturity (85-90 days).
- Resistant to Downey mildew.
- Very compact earhead, bold, globular and gray coloured grains.
- Suitable for Bajra growing areas of Maharashtra



2. Rajma- *Phule Rajma*

Phule Rajma variety of Rajma crop is recommended for the cultivation in *Kharif* season in Maharashtra.

Salient Features

- Average yield 17.07 q/ha which is higher by 22.27% than *Varun*, 28.53% than *Vaghy* and 31.81 % than HPR -35
- Potential yield: 20.45q/ha.
- Dough white with pinkish streak attractive seed



coat color

- Bold seed (36.50g./100g.seed)
- Protein content- 23.58%
- Carbohydrate content- 63.93%.
- Resistant to Fusarium wilt and CBMV
- Moderately resistant to pod borer and white fly

3. Barti- *Phule Barti*

Phule Barti variety of Barti crop is recommended for the cultivation in *Kharif* season in Maharashtra.

Salient Features

- Higher grain yield (15.24 qha-1) i.e. 37.91% increase over national check variety VL172.
- High iron (65 ppm), calcium (452.5 ppm) and phosphorus (3110 ppm)
- Mature in 95-105 days
- Mid dwarf plant type
- Thick panicle type , long length ,twisted type of finger
- Shiny grey seed colour



4. Sugarcane – *Phule 10001*

Sugarcane variety *Phule-10001* (MS 10001) is recommended for the suru and pre-season cultivation in Maharashtra state.

Salient Features

- Higher Cane and CCS



yield over ruling varieties

- Early maturity 10-12 months
- Better ratoonability
- Salinity tolerance
- Excellent performance under pre-season and suru season
- Excellent tillering ability
- Thick cane (Diameter 3.30 cm)
- Leaf sheath spines are absent
- No pith formation
- Resistant to smut, red rot, wilt and foliar diseases
- Less susceptible to internode borer, top shoot borer and scale insect
- Loose clasping and easy de-trashing

5. Groundnut – *Phule Bharti*

Phule Bharti variety of Groundnut crop is recommended in *rabi* or summer season in Maharashtra, Madhya Pradesh, Andhra Pradesh, Tamilnadu and Kerala for the cultivation.

Salient Features

- High yielding spanish bunch genotype
- Resistant to rust, *Spodoptera litura* and moderately resistant late leaf spot disease
- Maturity 105-110 days
- Oil content 50 %
- 100 kernel weight 35 g.
- Shelling outturn 69%
- Sound mature kernel 92%



6. Oat (fodder) - *Phule Surbhi*

In addition to mountainous division at the national level, in the four other subdivisions of *Rabi* season, Oat fodder variety *Phule Surbhi* is recommended for



the production of high quality green fodder.

Salient Features

- High green forage yield (452.9 q/ha)
- High dry matter yield (93.5 q/ha)
- High crude protein yield (7.2 q/ha)
- High per day productivity for green forage and dry matter (4.67 q/ha/day and 1.00 q/ha/day respectively)
- It is moderately resistant to leaf blight, resistant to root rot and less susceptible to aphids

7. Marvel Grass- *Phule Marvel-1*

Salient Features

- High green forage yield (441.2 q/ha)
- High dry matter yield (102.0 q/ha)
- High crude protein yield (5.0 q/ha)
- High per day productivity for green forage yield (1.01 q/ha/day)
- Resistant to leaf blight. Sucking pest and defoliant not observed throughout the year.



8. Madras Anjan grass- *Phule Madras Anjan-1*

Salient Features

- High green forage yield (397.7 q/ha)
- High dry matter yield (111.6 q/ha)
- High crude protein yield (7.8 q/ha)
- Higher per day productivity for green forage yield (1.07 q/ha/day)
- High per day productivity for dry matter yield (0.38 q/ha/day)
- Good fodder quality i.e crude protein content



(6.8 %), ADF (46.8 %), NDF (61.5%), IVDMD (52.0%)

- Resistant to leaf blight. Sucking pest and defoliant not observed throughout the year.

9. Tomato selection - *Phule Kesari*

Tomato selection *Phule Kesari* enriched with β -carotene (5.86 mg/ 100g) having orange colour, oblong fruit with better shelf life is recommended for release in Western Maharashtra.

Salient Features

- Oblong fruit shape
- Orange fruit colour
- β -carotene content 5.86 mg/ 100g
- Average weight of fruit 83.4 g
- Average yield 57.17t/ha
- Thick pericarp 0.85cm
- Fruits are very stout
- Moderately resistant to viral diseases like leaf curl and spotted wilt



10. Sponge gourd - *Phule Komal*

Sponge gourd hybrid *Phule Komal* having higher fruit yield, attractive, shiny green, cylindrical fruits is recommended for release.

Salient Features

- Attractive, shiny green, cylindrical fruits.
- Average fruit length (26.52 cm)
- Average weight of fruit (112.38 g)
- Number of fruits per vine 29.57
- Yield potential - Kharif Season - 219.06 q/ha, Summer Season- 214.54 q/ha
- Moderately resistant to powdery mildew, downy mildew diseases and pest fruit fly.



11. Custard apple - *Phule Janaki*

Custard apple *Phule Janaki* is recommended for release in Maharashtra on the basis of attractive green fruits, maximum pulp, less seed, bigger fruit and higher yield.

Salient Features

- Trees are spreading in nature with dark green foliage
- Large fruits size.(Av. Fruit weight 392.71 g.)
- Fruit surface is rough with yellowish green colour
- Fruit shape is oval and areoles are mammal in shape. Less seed content
- Pulp colour milky white with soft texture
- Fruits are having better sugar : acid blend



II. Agricultural Machinery and Equipments

1. Power operated Phule Sugarcane Sett Cutter

For effective cutting of one eyebud sugarcane sett on large scale for sugarcane seedling nursery power operated Phule sugarcane sett cutter is recommended.



2. Tractor operated Phule Sugarcane Transplanter

For planting sugarcane seedlings at 120-150 cm x 60 cm, tractor operated Phule Sugarcane Transplanter is recommended.



III. Registration of biotic source

The physical plant characters viz., high trichome density (39.44/mm²) with minimum reduction in yield (24.38%) and chemical characters viz., high amount of hydroxamic acid (3.01mmole/kg wt.), glutamic acid (2.20%), valine (0.12%), leucine (0.18%), tyrosine (0.48%) with minimum amount of methionine (0.38%) plays important role in defence mechanism (antixenosis and antibiosis) against wheat aphid in wheat variety Tapovan (NIAW 917) than susceptible variety A9-30-1. Hence, the variety Tapovan (NIAW 917) is identified and recommended as aphid resistant source for wheat aphid resistance breeding programme.

IV. Research Recommendations

I. Natural Resource Management

- 1) The following regression equation showing the inter-relationship between stem borer incidence in fig and weather parameters is recommended for use in model for one week prior forewarning of stem borer incidence in scarcity zone of Maharashtra.

$$\text{Stem Borer} = -58.2 + 0.3 \text{ Max Temp} - 0.9 \text{ Min Temp} + 0.7 \text{ Morning RH} + 0.2 \text{ Afternoon RH}$$

Units in equation :

Stem Borer = Stem borer incidence in fig, % infestation

Max Temp = Max. Temperature in °C (29.5 to 30.2°C)

Min Temp = Min. Temperature in °C (20.5 to 22.3°C)

Morning RH = Morning relative humidity in % (87 to 88%)

Afternoon RH = Afternoon relative humidity in % (60 to 65%)

- 2) The following regression equation showing the inter-relationship between early shoot borer incidence in sugarcane and weather parameters

is recommended for use in model for one week prior forewarning of early shoot borer incidence in scarcity zone of Maharashtra.

$$\text{Early shoot borer} = -17.01 + 1.66 \text{ Max Temp} - 0.99 \text{ Min Temp} - 0.24 \text{ Morning RH} + 0.19 \text{ Afternoon RH}$$
Units in equation

Early shoot borer = Early shoot borer incidence in sugarcane, % infestation

Max Temp = Maximum Temperature in °C (35.5 to 36.8 °C)

Min Temp = Minimum Temperature in °C (18.9 to 19.7 °C)

Morning RH = Morning relative humidity in % (82 to 83%)

Afternoon RH = Afternoon relative humidity in % (39 to 43%)

- 3) The following regression equation showing the inter-relationship between brown rust incidence in sugarcane and weather parameters is recommended for use in model for one week prior forewarning of brown rust incidence in scarcity zone of Maharashtra.

$$\text{Brown rust (\%)} = -162.67 + 0.109 \text{ Max Temp} - 0.068 \text{ Min Temp} - 1.776 \text{ Morning RH} + 0.088 \text{ Afternoon RH} - 0.035 \text{ RF}$$

Units in equation :

Brown rust = Percent disease index of brown rust incidence in sugarcane

Max Temp = Max. Temperature in °C (28.3 to 31.7 °C)

Min Temp = Min. Temperature in °C (11.2 to 23.0 °C)

Morning RH = Morning relative humidity in % (95 to 98%)

Afternoon RH = Afternoon relative humidity in % (52 to 87%)

RF = Rainfall in mm

- 4) In the changing climate situation, during late onset



of monsoon in transplanted paddy cultivation of submontane and ghat zone of Maharashtra, for sustainable economical yield, following nursery and transplanting management is recommended.

- In the paddy nursery, raised beds of 1 m breadth, 15 cm height and as per the length required are prepared.
- The sowing of seeds should be carried out in the line as per the commencement of rains. For transplanting, the age of the seedling should be upto 25 days old.

Sowing the seeds in the nursery	Transplanting the seedlings in the field
First week of June	Fourth week of June
Third week of June	Second week of July
First week of July	Fourth week of July

- Application of 10 t FYM ha⁻¹ + nitrogen, phosphorus and potassium as per yield target equation for 45 to 50 q ha⁻¹ yield of wheat and maintaining soil fertility is recommended for Inceptisols of Western Maharashtra.

With FYM	Without FYM
FN = 7.42 T - 0.88 SN - 2.45 FYM	FN = 8.09 T - 0.96 SN
FP ₂ O ₅ = 1.79 T - 1.47 SP - 0.33 FYM	FP ₂ O ₅ = 2.26 T - 1.86 SP
FK ₂ O = 4.77 T - 0.47 SK - 0.65 FYM	FK ₂ O = 5.54 T - 0.54 SK

Where, FN, FP₂O₅ and FK₂O are fertilizer N, P₂O₅ and K₂O in Kg ha⁻¹ respectively, T is yield target q ha⁻¹ for wheat and SN, SP, and SK are soil available N, P and K kg ha⁻¹ respectively. FYM is Farm Yard manure in t ha⁻¹

- The yield targeted equations of major nutrients (i.e. N, P and K) for optimal yield of onion seeds (i.e. 400-450 kg ha⁻¹) in medium deep black soil is recommended with and without FYM for balance nutrition and maintaining soil fertility.

With FYM (20 t ha ⁻¹)	Without FYM
FN = 0.55 x T - 0.65 x SN - 2.42 x FYM	FN = 0.66 x T - 0.77 x SN
FP ₂ O ₅ = 0.28 x T - 3.01 x SP - 1.20 x FYM	FP ₂ O ₅ = 0.33 x T - 3.63 x SP
FK ₂ O = 0.28 x T - 0.11 x SK - 0.80 x FYM	FK ₂ O = 0.31 x T - 0.13 x SK

Where, FN, FP₂O₅ and K₂O are fertilizer N, P₂O₅ and K₂O in kg ha⁻¹, T is yield target (kg ha⁻¹) and SN, SP and SK are soil available N, P and K in kg ha⁻¹ and FYM is Farm Yard manure in t ha⁻¹

- Application of FYM @ 10 kg plant⁻¹, neem powder @ 1.25 kg plant⁻¹, Azospirillum 50 g plant⁻¹, PSB 50 g plant⁻¹, VAM @ 25 g plant⁻¹ and T. harzianum @ 50 g plant⁻¹ at the time of planting, vermicompost @ 5 kg plant⁻¹ and baggase ash @ 1.75 kg plant⁻¹ at 3 months after planting along with triple green manuring with cow pea - dhaincha - cow pea as intercrop is recommended for quality banana production and maximum returns under the organic production of banana cv. Grand Naine in medium deep black soil.
- Application of 75 % dose of soil test based targeted yield (120 t ha⁻¹ target) through fertigation along with silver-black polyethelene mulching (30 micron), irrigation water with 80 % of crop evapotranspiration (ETc) throughout growth period, micronutrient foliar spray of EDTA-Zn and EDTA-Fe each @ 0.5 % at 2nd and 4th month after planting and bunch spray of SOP @ 2 % after removal of male bud and second spray at 30 days after first spray is recommended for higher production of banana in medium deep black soil.
- Deleafing with mulching and keeping pseudostem intact of harvested banana plants of main crop with application of 150 g N, 45 g P₂O₅ and 150 g K₂O per plant through fertigation is recommended for higher production of ratoon banana in medium deep black soil.
- Application of silicon 300 kg ha⁻¹ through 10 t paddy straw or 1 t rice husk ash or 4.3 t rice husk before transplanting along with GRDF (10 tonnes FYM ha⁻¹, 56 kg N and 30 kg P₂O₅ through Urea-DAP briquettes and 50 kg K₂O ha⁻¹)



is recommended for higher yields and monetary returns of lowland paddy in Western Ghat Zone of Maharashtra.

- 11) Two per cent of foliar spray of 19:19:19 fertilizer at pre flowering stage of finger millet is recommended along with recommended dose of (45:22.50 N:P₂O₅ kg ha⁻¹ (through briquettes) + FYM @ 5 t ha⁻¹) for higher yields and economic returns in the Sub-montane Zone of Maharashtra.
- 12) Intercropping system on Pigeonpea (Cv. BSMR-736) + Soybean (1:3) for deep black soil or Pigeonpea (Cv. Vipula) + Soybean (1:3) for medium deep soil is recommended for maximum yield and monetary benefits in scarcity zone of Maharashtra (rainfall zone III and IV).
- 13) Dibbling of hybrid Sunflower seed at 30 cm distance in the centre of both sides of ridge open at 4 feet distance along with GRDF (N-60, P₂O₅-90, K₂O-60 kg/ha) is recommended for kharif rainfed condition of Maharashtra by advantages of 40% seed saving conservation of soil moisture and 14% higher seed yield.
- 14) Drip irrigation at 40 % of crop evapotranspiration (ETc) during initial stage (0-20 days) and 80 % of ETc in remaining period is recommended to minimize the reduction in rabi onion yield under water scarcity conditions of western Maharashtra.
- 15) The 60 % of crop evapotranspiration (ETc) water throughout the crop growth period is recommended to minimize the reduction in irrigated cotton yield under water scarcity conditions in medium deep soils of western Maharashtra. The boll development stage (85-150 days) is found as most sensitive stage and water stress during this stage should be avoided.
- 16) In absence of rainfall sowing of kharif soybean in the second fortnight of June with presowing irrigation, afterwards on availability of one irrigation it should be applied at the time of flowering (40-45 DAS) and on availability of two irrigations it should be applied at flowering and grain filling stage (60-65 DAS) for higher yields is recommended in medium deep soils of Maharashtra.
- 17) Sugarcane cultivation with single row planting at 5 feet distance under drip irrigation with 85% ETc (crop evapotranspiration) water applied at every alternate day throughout the growth period is recommended for obtaining higher yields and saving of irrigation water in medium deep soils of western Maharashtra.
- 18) Application of irrigation at 90 % ER and fertigation with 80 % of recommended dose of N and K (640 g N and 480 g K₂O/plant/year) in eight equal splits through drip while 20 kg FYM + 15 kg Neem cake + 300 g P₂O₅/plant/year through soil application is recommended for better growth, yield of quality fruits with saving of irrigation and nutrients for Ambia bahar of sweet orange planted in medium black soils of western Maharashtra.
- 19) Application of irrigation at 80 % ER and fertigation with 80 % of recommended dose of N and K (480 g N and 480 g K₂O/plant/year) in eight equal splits through drip while 15 kg FYM + 15 kg Neem cake + 300 g P₂O₅/plant/year through soil application is recommended for better growth, yield of quality fruits with saving of irrigation and nutrients in acid lime planted in medium deep black soils of western Maharashtra.
- 20) The scheduling of alternate day drip irrigation at 70 % crop evapotranspiration alongwith fertigation at 80 % recommended dose through water soluble fertilizers at 8 days interval is recommended for maximum yield (490-500 q ha⁻¹) of brinjal hybrid.



However, under limited water conditions, the scheduling of alternate day drip irrigation at 50 % crop evapotranspiration alongwith fertigation at 80 % recommended dose through water soluble fertilizers at 8 days interval is recommended for optimum yield (380-390 q ha⁻¹) of brinjal hybrid.

- 21) The intercropping of forage crops viz., Hybrid Napier Cv. Phule Jaywant + Lucerne Cv. RL 88 in 2:10 row proportion is recommended in medium deep soils for year round nutritive fodder supply and higher returns under irrigated condition of Western Maharashtra.
- 22) The intercropping of forage crops viz., Hybrid Napier Cv. Phule Jaywant + Lucerne Cv. RL 88 in 2:10 row proportion is recommended in medium deep soils for year round nutritive fodder supply and higher returns under irrigated condition of Western Maharashtra.

Cultivation Technology : Sowing of 10 lines of Lucerne Cv. RL- 88 at 30 cm spacing followed by planting of 2 rows of Hybrid Napier Cv. Phule Jaywant in 90 cm furrows.

II) Horticulture

- 23) Onion seed production is recommended in West Ghat Zone with bulb planting in first week of November with fertilizer dose of 150:75:75 kg NPK/ ha. for maximum monetary returns.
- 24) It is recommended to cultivate potato cultivar 'Kufri Surya' for higher tuber yield in *Rabi* season in plain zone of Maharashtra.
- 25) Planting of turmeric by cutting mother rhizomes in two splits is recommended to save 50 % of seed rhizomes.
- 26) Tractor drawn turmeric harvesting method is recommended for easy harvesting of turmeric planted on raised beds with saving of labour and time of operation.

- 27) For dry land cultivation, mixed fruit plantation module of mango (100 trees) + custard apple (90 trees) + aonla (180 trees) per hectare is recommended profitable yield.
- 28) It is recommended to sow Bajra, Maize, Jowar, Sun hemp and Dhaincha in the first week of February as a cover crop under the canopy of custard apple for better fruit set, early harvesting and higher market price as off season fruits.
- 29) In western Maharashtra, for early flowering in December and early harvesting in May (16.67 to 23.33 days) in mango Cv. Keshar, it is recommended to apply plant growth retardant Paclobutrazol (23%) 0.50 to 1.00 g.a.i./m canopy diameter of tree, through soil drenching in the first week of August as per the parameters mentioned below.

Paclobutrazol (23%) (g a.i./ m canopy diameter)	Expend-iture of growth retardant (Rs./ha.)	Advance-ment in maturity / harvest-ing (days)	Addi-tional yield (t/ha)	Additional benefit (Rs./ha)
0.50	27,915	16.67	1.58	62,996
0.75	39,717	22.00	2.06	82,257
1.00	55,531	23.33	3.13	1,25,170

III) Animal Science and Dairy Science

- 30) For prediction of first lactation 300 days milk yield in HF x Gir halfbred the Mixed Log Function ($Y_t = 4.17 + (-1.85) * t^{-1/2} + 5.54 \log t + e_t$) is recommended.
- 31) Feeding concentrate mixture containing 20% groundnut cake (GNC) treated with formaldehyde (1%) and 10 gm. protected fat (per litre of milk production) 15 days before and 90 days after calving is recommended to improve digestability of nutrients, reproduction and milk production performance of crossbred.

IV) Basic science

- 32) Phule Amaranthus cookies technology is recommended for making gluten free cookies from 100 % amaranthus flour which are enriched in iron, calcium and fibre having good shelf life (90 days).
- 33) Phule horse gram malt technology is recommended for good quality dried sprouted beans.
 - a) Steeping/ soaking horse gram in water containing 0.1% KMS for 2 hr. Wash the horse gram after every 4 hours.
 - b) Sprouting for 24 hr. at 30°C in incubator,
 - c) Al last drying in cabinet drier at 60°C \pm 2°C for 1.5 hr.
 - d) The malt could be stored up to 90 days at ambient conditions without affecting quality cleaning and can be used for preparation of usal.
- 34) The replacement of 30 per cent wheat flour with the flour of high iron content Dhanshakti pearl millet for making iron rich sponge cake is recommended.
- 35) The addition of 10% garden cress seed oil and 90 % vanaspati fat and storage in aluminum foil for 90 days is recommended for preparation of essential omega 3 and omega 6 fatty acid rich cookies.
- 36) The Phule bottle gourd powder technology is recommended for making good quality bottle gourd powder.
 - a) Harvesting the fruits at 80 days after sowing
 - b) Blanching the pieces for 2 min
 - c) Drying at 55°C temperature in cabinet dryer till the moisture content reaches to less than 6 percent.
- 37) The use of food preservatives viz., 1500 mg ascorbic acid and 150 mg potassium metabisulphide per kilogram of custard apple fruit pulp is recommended for six months storage at -20 \pm 2°C temperature.
- 38) The pre-treatment of antimicrobial preservatives (Hydrogen Peroxide Stabilized by Colloidal Silver @ 4 mL/lit of water) for five minutes followed by exposing fruit in ripening chamber for 18 hrs with 100 ppm ethylene gas or 750 ppm ethaphon solution dip for five minutes and packaging of fruits in corrugated box is recommended for uniform ripening of Kesar mango fruits during 6 - 8 days.
- 39) The mango fruit ripening technology developed by Dr. BSKKV, Dapoli is recommended for natural banana fruit ripening with modification of provision of air conditioning by exposing the matured banana fruits to 100 ppm ethylene gas at 20 \pm 2°C temperature and 90% relative humidity for 24 hrs.

V) Plant Protection

- 40) Three sprays of flonicamid 50% WG @ 2 gm per 10 liters of water are recommended at an interval of 15 days starting from occurrence of the pests for the control of aphid, jassid, thrips and whitefly on cotton.
- 41) Following IPM module is validated and recommended under need base conditions in non-Bt cotton.
 - Seed treatment with thiamethoxam 30% FS @ 10 ml/kg seed.
 - Planting one row of maize and cowpea alternate at one meter distance around the field as border crop and at every 9th row of cotton alternate line of maize, cowpea and setaria.
 - Application of 5% NSE at 30 and 45 DAS
 - Use of pheromone traps @ 5 /ha for each for monitoring of E. vittella and H. armigera at 45 DAS.
 - Release of Trichogramma chilonis @ 2 lacs/ha (10 cards/ha) at 60 DAS.



- Application of 10 ml HaNPV in 10 L water (500 LE/ha) at 75 DAS.
 - Installation of 'T' shaped bird perches @ 25/ha at 80 DAS.
 - Installation of pheromone traps @ 5 /ha for monitoring of *Pectinophora gossypiella* at 85 DAS.
 - Spraying of profenophos 50% EC @ 20 ml/10 L water at 90 DAS.
 - Use of yellow sticky traps @ 10 /ha for whitefly monitoring at 100 DAS.
 - Spraying of triazophos 40 % EC @ 20 ml/10 L water at 105 DAS for control of whiteflies and pink boll worm.
 - Spraying of lambda cyhalothrin 5% EC @ 10 ml/10 L water at 120 DAS for control of pink boll worm.
- 42) Two Soil applications of Chlorantraniliprole 0.4 % GR @ 22.50 kg/ha at the time of planting as well as 60 days after planting followed by light irrigation is recommended for effective control of early shoot borer, *Chilo infuscatellus* in timely and late planted suru sugarcane.
- 43) It is recommended to undertake the biofertilizer seed treatment in rabi sorghum with *Acetobacter* and *Azotobacter* @ 25 g each per kg seed before sowing alongwith application of 25 kg N and 25 kg P_2O_5 per hectare for improved grain and stover yield with 50% saving of N under dryland conditions in the scarcity zone of Maharashtra.
- 44) Three sprays of Azoxystrobin 23% SC or Tebuconazole 25.9% EC fungicide @ 10 ml along with the sticker 10 ml. per 10 lit. of water is recommended at 10 days interval starting from the appearance of the disease for effective control of ripe fruit rot disease and better yield of chilli during kharif season.
- 45) It is recommended to undertake the biofertilizer seed treatment in rabi sorghum with *Acetobacter* and *Azotobacter* @ 25 g each per kg seed before sowing alongwith application of 25 kg N and 25 kg P_2O_5 per hectare for improved grain and stover yield with 50% saving of N under dryland conditions in the scarcity zone of Maharashtra.
- 46) It is recommended to transplant paddy from 2nd fortnight of June to 2nd fortnight of July with three sprays of carbendazim @ 10 g per 10 L water as indicated below for the management of leaf and neck blasts, sheath rot, brown spot and seed discolouration diseases and thereby increasing the grain and straw yields as well as monetary returns.

Spray	Crop stage	Days after transplanting
First	Leaf blast appearance in tillering stage	30 to 35 days
Second	Sheath formation stage	55 to 60 days
Third	Panicle emergence stage	70 to 75 days

VI) Agricultural Engineering

- 47) The revised location constants K, a, b and d in rainfall intensity-duration-return period relationship for Solapur region have been recommended as 3.1318, 0.2890, 0.25 and 0.8802 respectively.

The revised location constants K, a, b and d in rainfall intensity-duration-return period relationship for Kolhapur region have been recommended as 3.8472, 0.1745, 0.20 and 0.7959 respectively.

The location constants K, a, b and d in rainfall intensity-frequency-duration relationship for Pandharpur region have been recommended as 3.08, 0.2295, 0.8 and 0.9573, respectively.



- 48) The Hydrological Index Method (Modified Tennant method) is recommended for allocating Environmental flow requirement on monthly basis. Furthermore based on Modified Tennant method, the Effective Flow Requirement (EFR) at Mula dam and Panegaon be as depicted in the following table for sustaining riverline ecology.

Month	EFR for Mula Dam (cumec)	EFR for Panegaon (cumec)
June	1.94	2.93
July	15.49	39.77
August	17.78	288.89
September	10.81	237.08
October	19.17	226.54
November	0.010	-

- 49) It is recommended that Mula river water of Ahmednagar district at downstream side of Mula Dam from Rahuri Khurd to Panegaon contains higher E-coli Pathogenic bacteria as per BIS Standards. Hence river water at downstream side of Mula dam is not suitable for drinking purpose.
- 50) Web based “Phule Jal” developed by Mahatma Phule Krishi Vidyapeeth is recommended for estimation of reference evapotranspiration by different methods for deciding the irrigation scheduling.
- 51) Web based “Phule Irrigation Scheduler” developed by Mahatma Phule Krishi Vidyapeeth, is recommended for computing water requirement and time of operation of various irrigation systems during different plant growth stages of crops.
- 52) The tables developed by Mahatma Phule Krishi Vidyapeeth for Tahsils of Western Maharashtra are recommended for estimating weekly water and irrigation requirement of gram by surface and sprinkler methods. Further, the maps developed in Geographical Information System (GIS) are recommended for estimating weekly water and irrigation requirement at any specific locations by surface and sprinkler methods.
- The tables developed by Mahatma Phule Krishi Vidyapeeth for Tahsils of Western Maharashtra are recommended for estimating weekly water and irrigation requirement of Rabi onion by surface and drip methods. Further, the maps developed in Geographical Information System (GIS) are recommended for estimating weekly water and irrigation requirement at any specific locations by surface and drip methods.
- The tables developed by Mahatma Phule Krishi Vidyapeeth for Tahsils of Western Maharashtra are recommended for estimating weekly water and irrigation requirement of Rabi Sorghum by surface and drip methods. Further, the maps developed in Geographical Information System (GIS) are recommended for estimating weekly water and irrigation requirement at any specific locations by surface and drip method.
- The tables developed by Mahatma Phule Krishi Vidyapeeth for Tahsils of Western Maharashtra are recommended for estimating weekly water and irrigation requirement of soybean by surface and drip methods. Further, the maps developed in Geographical Information System (GIS) are recommended for estimating weekly water and irrigation requirement at any specific locations by surface and drip methods.
- 53) “Phule Farm Pond Water Budgeting” computer based decision support system is recommended for deciding the optimum size of farm pond and evaluating the existing farm pond size on the basis of water availability in catchment area and water demand in command area of the farm pond. This DSS can be used as a guideline.
- 54) The equation based on reference evapotranspiration in open field developed by Mahatma Phule Krishi Vidyapeeth, Rahuri are recommended for



estimation of reference evapotranspiration in shadnet houses. (Green-White 35%, 50%, 75% and Red 50%)

- 55) The green shadenet of 75% shading and daily drip irrigation of 75% of crop evapo-transpiration is recommended for higher yield, net income and B:C ratio for cultivation of indeterminate variety of tomato planted in November in shadnet house.
- 56) Daily drip irrigation of 95 % of crop evapo-transpiration and an alternate day fertigation with 125 % of recommended dose of water soluble fertilizers (i.e. 112.50:37.50:18.75 kg/ha upto flowering and 262.50:150.00:168.75 kg/ha after flowering N:P₂O₅:K₂O respectively) is recommended for tomato cultivation in open ventilated polyhouse, for obtaining higher yield, net income and benefit : cost ratio of indeterminate variety planted in November.
- 57) The white-black or silver-black plastic mulch (25 micron) with daily drip irrigation of 70 % crop evapotranspiration is recommended for open field cultivation of tomato indeterminate variety planted in January to obtain higher yield, net income and benefit : cost ratio.

VII) Social Science

- 58) The farmers in Maharashtra State earned gross economic benefit of ` 368.12 crores and net economic benefit of `64.03 crores from improved

rabi sorghum varieties during 1993-94 to 2014-15 released by sorghum research project, MPKV, Rahuri accompanied with improved technology transfer by MPKV, Rahuri and Agricultural Department. It revealed that an additional investment of one rupee in rabi sorghum research generated additional income of Rs. 6.20 with 34.61 per cent Internal Rate of Return (IRR), indicating investment in rabi sorghum research generated substantial returns. Therefore, it is recommended that the State Government should allocate substantial funds to public research in rabi sorghum for productivity enhancement in ensuing food and fodder security.

- 59) The increase of 189.86 per cent in Minimum Support Prices of cotton during 1996-97 to 2013-14 is not enough to cover increase in 476.87 per cent increase in the inputs prices. Therefore, it is recommended that there is need to maintain the parity between Minimum Support Prices and input prices or there is need to give adequate compensation through incentives to the producers, so as to safeguard the interest of cotton grower in Maharashtra.
- 60) Cochrane and Orcutt model is recommended to agricultural scientists for best fit and improved estimates while fitting the time series data in presence of autocorrelation.

Seed Production Programme of 2016-17

Stage	Production
Seed Production	
University Farm	11522 q
HOPE Project	20101 q
Pulses Seed Hub	1457 q
Grafts and Plantlets	14.42 lakh
Biofertilizers	47 metric ton + 5500 litre
Biopesticide	62 q + 490 litre



4. Extension Education

The Extension education activities include training of extension personnel, officers of development departments, farmers and dissemination of information through trainings, demonstrations, meetings, discussions, farmers rallies, farm and home visits, exhibitions, publications, newspapers, magazines, etc.

Extension education activities are being undertaken through Directorate of Extension Education, Agriculture College Extension Blocks, Agril. Technology Information Centre (ATIC), Communication Centre, Regional Extension Centres (RECs), Krishi Vigyan Kendras (KVK), Zonal Agricultural Research and Extension Advisory Committee Meetings (ZAREACs). The Directorate of Extension Education was set up in 1981 with following objectives.

- To conduct short and long duration vocational training for the benefit of farming community in different agro-eco situations.
- To assess and refine the latest agricultural technology through front line demonstration for its wider adoption.
- To provide farm information services through various extension activities
- To demonstrate the improved technology on the farmer's fields to convince them about 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.

In addition to this, this Directorate performs following activities

1. Co-ordination of extension education activities in the jurisdiction of University.
2. Co-ordination of Communication Centre, RECs, DECs, ATIC and AICs functioning.
3. Organization of trainings.
4. Organization of Farmers Rallies and Exhibitions.

With a view to fulfilling the mandatory requirements of extension education the extension education activities are undertaken by the Mahatma Phule Krishi Vidyapeeth, Rahuri through the following units:

1. Krishi Vigyan Kendra

KVK, Dhule was established in May 1983, while; KVK, Mohol (Solapur), Borgaon (Satara) and Mamurabad Farm (Jalgaon) was established in the year 2011-12 under the jurisdiction of Mahatma Phule Krishi Vidyapeeth, Rahuri for the operational areas in the above districts with following objectives.

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' field's on various production technologies about important crops of the district.
3. To conduct on farm trial/adaptive trials in agriculture and allied enterprises based on location specific problems.
4. To organize different extension activities to disseminate technologies.

2. Agricultural College Development Block

Practical training in extension education is being given to the students in College Development Blocks. There are about 60 to 100 villages attached to the 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.

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

To test and transfer the improved technology from time to time in adjoining areas of respective research and educational institutes, three RECs are started at the constituent colleges *viz.*, Pune, Dhule and Kolhapur and one at Central Campus, MPKV, Rahuri. Regional Extension Centre consists of four SMS in the subject of Agronomy, Animal Husbandary, Horticulture and Plant Protection. The activities of each REC are governed by Extension Agronomist at regional level which is technically controlled by Director of Extension Education.

To carry out extension education activities effectively and efficiently, five District Extension Centres (DECs) have been started at different research stations *viz.*, Jalgaon, Padegaon (Satara), Solapur, Digraj (Sangli) and Niphad (Nashik). No separate staff is provided for DECs. The important objectives of the innovative programme are:

1. To organize short duration training classes for upgradation of knowledge of existing staff.
2. To arrange farmers trainings for addressing issues in farming.
3. To interact with farmers and officers for getting feed back on research findings.

4. To organize monthly meetings of different allied departments and interact on various field problems.
5. To integrate teaching, research and extension education activities.

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, demonstrations on farmers fields, farmers' rallies and technical guidance to farmers are also organized by the centre.

Every Regional Extension Center and District Extension Centre are provided a 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. The itenery of this activity is announced and communicated well in advance to the farmers of respective villages and accordingly the farmers avail the guidance and necessary help to solve their problems.

4. Communication Centre

The Communication Centre of Mahatma Phule Krishi Vidyapeeth, Rahuri was established in May 1982 with the financial assistance of ICAR. However, after discontinuance of the financial assistance from the ICAR, it is being run with own resources of the University. The centre is established for effective use of mass media in transfer of technology. The unit produces different type of farm literature, publicity of news items, organization of exhibitions, organizing broadcasting of Agril. Programmes for transfer of technology through All India Radio and Doordarshan and organizing public relation media for communication of agricultural technology and guidance through correspondence.



5. Agricultural Technology Information Centre

The Agricultural Technology Information Centre (ATIC) is a single window delivery, dissemination and supporting system for various innovative and farm worthy techniques evolved at the University and affiliated organizations in the pursuit of research and excellence. This centre started its actual functioning w.e.f. 13th August, 2001 with the following objectives.

1. To empower farmers through direct access to information and knowledge.
2. To create strong linkage between different research divisions, units and user technology users.
3. To help farmers in problem solving and decision making.
4. To facilitate and dynamic feed forward and feed back mechanism.
5. To bridge the gap between attainable and attained in the crop, livestock development and production.
6. To generate financial resources through sales and services.
7. To disseminate the new technologies developed by the University through organizing Farmers Rallies, Field Visits and Agril. Exhibitions.

The ATIC is supervised by a Manager with four subject matter specialists (SMS) Agronomy, Horticulture, Plant Protection and Animal Husbandry and Dairy. The extension activities like field visits, replying the queries of the farmers and other stakeholders and the centre performs diagnostic services in coordination with the other departments of the University. Besides, seed and seedlings, processed products and publications are also sold through ATIC to the end users. Helpline and Kisan Call Centre are operational at this centre for addressing the issues of

the farmers.

The Public Relations Office is also located at the ATIC. Public Relations Officer (PRO) guides and coordinates the visits of visitors. The annual publication Krishidarshani, quarterly periodical Shri Sugi and other publications are sold through the PRO office.

Major Extension Activities

- **Retrospection-2016** : A programme on Retrospection – 2016 was organized on 31/12/2016 at Central Campus, Rahuri. Vice Chancellor Dr. K.P. Viswanatha presided over the function, while, Dr. M.C. Varshenya, Hon'ble Vice Chancellor, Kamdhenu University, Gujrat and Shri. B.G. Kolase Patil, former Justice 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 for the year-2016 were presented by Dr. K.D. Kokate, Director of Extension Education, Dr. B.R. Ulmek, Dean (F/A), Dr. R.S. Patil, Director of Research, Shri Ganesh Ghorpade, Registrar, Shri B.G. Nirmal, 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-2017 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.
- **Action Plan Workshop of KVKs** : Mahatma Phule Krishi Vidyapeeth, Rahuri and Zonal Project



Directorate, Hyderabad jointly organized an Action Plan Workshop of KVKs for western Maharashtra during 15-16 March, 2017 at MPKV, Rahuri. The Programme Co-ordinators of KVKs presented their action plan and it was finalized in consultation with University experts. The workshop was inaugurated by Dr. K.D. Kokate, Director of Extension Education, MPKV, Rahuri, while Dr. K. Dattatri, Principal Scientist, ICAR- ATARI, Zone V Hyderabad was present as a chief guest. The University dignitaries guided the participants. The action plan of KVKs was finalized in consultation with the University scientist in the workshop. In all 180 Programme Co-ordinators, SMSs and other staff of KVKs participated in the programme.

- **The Zonal Agricultural Research and Extension Advisory Committee meeting (Kharif -2016)** was organized at Yashwantrao Chavan Maharashtra Open University (YCMOU), Nashik on 22nd June, 2016 for Nashik, Pune and Kolhapur divisions. Dr. M.M. Salunkhe, Hon'ble Vice-Chancellor, YCMOU, Nashik and Shri Vikas Deshmukh, Hon'ble Commissioner of Agriculture (M.S.) were the chief guests. The function was chaired by Dr. K.P. Viswanatha, Hon'ble Vice-Chancellor, MPKV, Rahuri. Dr. K.D. Kokate, Director of Extension Education and Research, MPKV, Rahuri made brief presentation about various extension activities and recommendations of the University and Action Taken Report and guided the participants. All directors from Dept. of Agriculture, Heads of Departments, MPKV, Rahuri, Crop Specialists, In-charge Officer, Communication Center, MPKV, Rahuri, District SAOs were present for the meeting. In all 182 participants including SDAOs, TAOs and Programme Co-ordinators from KVKs and Scientists from University attended the said meeting.

- **The 44th Joint AGRESKO meet - 2016** of four SAUs in Maharashtra was organized at MPKV, Rahuri during May 28-30, 2016 at Dr. PDKV, Akola. The function was inaugurated at the hands of Shri Devendra Fadnavis, Hon'ble Chief Minister, MS. Shri Eknathrao Khadse, Hon'ble Minister for Agriculture, Shri Ram Kharche, Hon'ble Deputy Chairman, MCAER, Pune were the chief guests. Vice Chancellors of all SAUs of Maharashtra were present for this meeting. University scientists presented their recommendations. In all MPKV has given 69 recommendations, released 09 varieties and 3 implements.
- **The State Level Interface Meeting on Enhancing the Preparedness of Agricultural Contingencies in Kharif, 2016** in Maharashtra was organized at Central Building, Pune on May 14, 2016. The meeting was jointly organized by the ICAR, DAC and Department of Agriculture, Govt. of Maharashtra under National Initiative on Climate Resilient Agriculture (NICRA). The Director of Extension Education and Research Dr. K.D. Kokate participated in meeting and discussed about the various efforts by this University for timely advisories in agriculture for farming community.
- **A three day Training Programme on "Leadership Development and Team Building Skills for Extension Functionary"** was organized by the Department of Extension Education, MPKV, Rahuri in co- ordination with Extension Education Institute, Anand, Gujarat. The Vice Chancellors from Gujrat State Agricultural Universities Dr. N.C Patel, Dr. Ashok Patel, Dr. C.J. Dangaria were the chief guests, while, Dr. K.D. Kokate, Director of Extension Education, Dr. B. R. Ulmek, Dean, Faculty of Agriculture, MPKV, Rahuri were present and guided the participants. About



53 scientists from University participated in the training programme. The EEI faculty Dr. C.P. Desai and Mr. Prajapati guided the trainees.

- **Agro Technology Week was celebrated at Krishi Vigyan Kendra, Dhule during 21-23 February, 2017.** Front line demonstrations, Agril Exhibition etc. were organized at central farm of Krishi Vigyan Kendra. The three day technical programme covered various technical deliberations from diversified field of agriculture. In all, 458 farmers, women farmers, youth from the KVK jurisdiction participated in the Agro Technology Week.
- **The KVK, MF, Jalgaon organized Agriculture Mechanization Day on March 10, 2017** in collaboration with MPKV, Rahuri. The function was chaired by Dr. K. D. Kokate, Director of Extension Education and Director of Research, MPKV, Rahuri. An exhibition of agriculture farm implements was also organized for the farmers. Total 150 farmers participated in this programme.
- **A shivar pheri and farmers rally on 'Rabi Sorghum Production Technology'** was organized at Sorghum Improvement Project, MPKV, Rahuri on January 24, 2017. The programme was chaired by Dr. K. P. Viswanatha, Vice Chancellor, MPKV, Rahuri. District Collector Shri Anil Kawade, Dr. B. R. Ulmek, Dean, Faculty of Agriculture, Dr. R.S. Patil, Director of Research, MPKV, Rahuri and other dignitaries were present and guided the farmers. In all, large number farmers attended the farmers rally.
- **The two training programme for 'KCC Agents/Supervisors/Co-ordinators (Rabi)'** was organized at MPKV, Rahuri during January 13, 2017 in collaboration with MANAGE, Hyderabad. The programme was chaired by Dr. K. P. Viswanatha, Vice Chancellor, MPKV, Rahuri.
- Dr. K.D. Kokate, Director of Extension Education, MPKV, Rahuri participated in the programme and guided the KCC staff. Total 100 KCC agents were participated in this training programme.
- **A workshop on Climate Change Knowledge Network- Indian Agriculture** was organized for the different stakeholders under the project on January 25, 2017. The function was chaired by Dr. K. P. Viswanatha, Vice Chancellor, MPKV, Rahuri, while, Dr. K. D. Kokate, Director of Extension Education, Smt. Meghana Kelkar, RAMETI, Shri Borkar, Project Director, ATMA, Shri Barathe, Shri Somnath Chaudhary, Smt. Shreesha, MANAGE, Hyderabad, Associate Dean Dr. ASCAE & T, Dr. Turbatmath, Dr. Gorantiwar and other University scientists participated in the workshop.
- **A training One day Awareness-cum-Training Programme on Mobile Application "Phule Jal" and "Phule Irrigation Scheduler"** was organized for the scientists of University Krishi Vigyan Kendra, Regional and District Extension Center on January 16, 2017. The function was chaired by Dr. K. D. Kokate, Director of Extension Education, MPKV, Rahuri while, Associate Dean Dr. ASCAE & T, Dr. Turbatmath, Dr. Gorantiwar and other scientists guided the participants on applicability of these mobile applications. In all, 25 scientists from University participated in the programme.
- **The Scientific Advisory Committee (SAC) meeting was held at Krishi Vigyan Kendra, Mohol on March 9, 2017.** The meeting was organized to review the progress made by KVK and their future action plan. The SAC meeting was chaired by Dr. K. P. Viswanatha, Vice Chancellor, MPKV, Rahuri. Dr. K. D. Kokate, Director of Extension Education, MPKV, Rahuri and members



- of SAC participated in the meeting and guided the KVK staff.
- **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 Krishi Vigyan Kendra, Jalgaon in co-ordination with Protection of Plant Varieties and Farmers Right Authority, GoI, New Delhi organized the awareness campaign about Protection of Plant Varieties and Farmers Right for the farming community on June 29-30, 2016. In all 160 farmer participants attended the said programme.
 - **The Pradhanmantri Pik Vima Yojana- Shetakari Melava** was organized by Krishi Vigyan Kendra, Dhule in co-ordination with the ATARI, Hyderabad on April 03, 2016. The function was chaired by Dr. P.N. Rasal Associate Dean, College of Agriculture, Dhule. In all large number of farmers attended the said programme.
 - The Pradhanmantri Pik Vima Yojana- Shetakari Melava was organized by Krishi Vigyan Kendra, Babbleshwar in co-ordination with the ATARI, Hyderabad on April 3, 2016. The function was chaired by Dr. K.P. Viswanatha, Hon'ble Vice-Chancellor, MPKV, Rahuri. Large number of farmers participated in the said programme.
 - The Pradhanmantri Pik Vima Yojana- Shetakari Melava was organized by Krishi Vigyan Kendra, Baramati in co-ordination with the ATARI, Hyderabad during April, 2016. Dr. K.D. Kokate, Director of Extension Education and Research, MPKV, Rahuri participated in the programme and guided the participants. More number of farmers participated in the awareness programme.
 - **The University Krishi Vigyan Kendras organized "Gram Uday Se Bharat Uday Abhiyan"** in their jurisdiction during April, 2016. On this occasion, different extension activities were organized for the farming community.
 - **The pre-seasonal kharif meetings** were jointly organized by the MPKV, Rahuri and Dept. of Agriculture M.S. in the jurisdiction of MPKV, Rahuri during April – June 2016. The scientists from the Regional and District Extension Centers and Krishi Vigyan Kendras participated and guided the official from line departments.
 - **The Monthly District Workshops** were jointly organized by the MPKV, Rahuri and Dept. of Agriculture M.S. in the jurisdiction of MPKV, Rahuri during April – June 2016. In all 30 MDWs were organized. 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 farmers field.
 - **The Zonal Research and Extension Advisory Council's meeting (Rabi and Summer -2016)** was organized at NARP, Solapur on 7th October, 2016 for Nashik, Pune and Kolhapur divisions. The function was chaired by Dr. Dr. K.P. Viswanatha, Vice Chancellor, MPKV, Rahuri. Dr. K.D. Kokate, Director of Extension Education, MPKV, Rahuri made brief presentation and Action Taken Report and guided the participants, While, Director of Research Dr. R.S. Patil briefed about various recommendations and released varieties Shri Khemnar, Project Director, ATMA, Solapur, Dept. of Agriculture, MS guided the



participants. All directors and Joint Directors from Dept. of Agriculture, Heads of Departments, MPKV, Rahuri, Crop Specialists, In-charge Officer, Communication Center, MPKV, Rahuri, and District SAOs were present for the meeting. In all 210 participants including SDAOs, TAOs and Programme Co-ordinators from KVKs and Scientists from University attended the said meeting.

- **Training Programme for Gopalak organized:**

A one day training programme for Gopalak (cattle rearers) was organized by the University in collaboration with Zilla Parishad, Ahmednagar on November 21, 2016. Mrs. Manjusha Gund, President, Zilla Parishad, Shri. Anil Kawde, Collector, Ahmednagar was the chief Guest of the said programme. Shri. Sharad Navle, Sabhapati, Agriculture and Animal Husbandry committee, Zilla Parishad, Ahmednagar, Dr. K.D. Kokate, Director of Extension Education, Dr. B.R. Ulmek, Dean, F/A, Shri. Ravidra Binvade, CEO and Dr. Bharat Rathod, District Animal Husbandry Officer also guided the trainees. Large number of goat rearers participated in the said programme.

- **Farmers Rally organized:** A farmers rally was organized by MPKV, Rahuri in collaboration with Department of Agriculture and ATMA, Ahmednagar on November 11, 2016 on the farm of progressive farmer Shri. Bhausaheb Yeole in Rahuri. Dr.K.D.Kokate, Director of Extension Education, Dr. R.S. Patil, Director of Research guided the farming community. Shri. Bhausaheb Barhate, District Superintendent Agriculture Officer, Ahmednagar, Shri. Sambhajirao Gaikwad, Deputy Director, ATMA and Prof. J.B. Shinde gave the expert lecture to the farmers. The dignitaries and farmers also visited his sugarcane nursery. Farmers

in large number participated in the farmers rally.

- **Seed Village programme of Rabi Sorghum:**

Vice Chancellor Dr. K. P. Viswanatha visited Narayanwadi, Tal. Newasa, Dist. Ahmednagar on December 18, 2016 where the Seed Village programme is being implemented by the Sorghum Improvement Project of MPKV, Rahuri in collaboration with ICRISAT, Hyderabad, Department of Agriculture, MAHABEEJ and Seed Certification Department under HOPE project. Shri. Balasaheb Murkute, Hon'ble MLA, Dr. K. D. Kokate, Director, Extension Education, Dr. R.S. Patil, Director of Research Sorghum Breeder Dr. S. R. Gadakh Shri. Bhausaheb Barhate, PD, ATMA, Shri. Pandit Lonare, DSAO, Shri. Daund of MAHABEEJ and large number of farmers were present on this occasion. The University developed Phule Vasudha variety is being taken on 350 ha. area in the village for seed production.

- **The Rabi Krishi Sammelan and 'World Soil Day'**

was organized by Krishi Vigyan Kendra, Mohol on December 05, 2016. The programme was inaugurated by Shri Prakash Patil, Hon'ble Member, Executive Council, MPKV, Rahuri while. Programme Co-ordinator Dr. D.R. Nandre and other KVK staff was present on this occasion. In all more than 250 farmers attended the said programme. Total 115 Soil Health Cards were distributed to the farmers.

- **Training Programme on Scientific Goat Management: Krishi Vigyan Kendra, Mohol organized**

Skill Development Training Programme on Scientific goat management in collaboration with ATMA, Solapur for members of SHGs at village Shejabbhulgaon, Tal. Mohol during 22-25 November, 2016. On this occasion technical sessions on Importance of Goat rearing,



Entrepreneurship opportunities, Selection of breed, Scientific management practices, Feeding management, Vaccination schedule, Fodder crops cultivation, Government schemes, Preparation of project report were organized while, Exposure visit was held at Goat Rearing unit of successful entrepreneur at Yavali, Tal. Mohol.

- **Training Programme on Integrated Farming System:**

Krishi Vigyan Kendra, Mohol organized Skill Development Training Programme on Integrated Farming System in collaboration with ATMA, Solapur for the farmers of KVK, Mohol jurisdiction during 29 November - 02 December, 2016. On this occasion, technical sessions on need, importance and benefits of Integrated Farming System, components of Integrated Farming System, IFS models, Effect of climate change on IFS, Economics of IFS, Fish culture techniques in farm pond and value addition to agril. produce were organized and Exposure visits were organized for IFS models developed by progressive farmers at Khandali and Penur, Tal. Mohol.

- KVK, Mohol organized various training programmes viz., Vegetable Processing Enterprise, Scientific goat management, Integrated Farming System, Mini Dal Mil Enterprise. In all, 117 farmers participated in the training programme.
- The Krishi Vigyan Kendra had celebrated the 'Jai Kisan Jai Vigyan' week during 23-28 December, 2016 and organized various extension activities for farming community. Total 24 extension programmes were organized.
- The Krishi Vigyan Kendras of University had celebrated the 'World Soil Day' on 5 December, 2016 and distributed Soil Health Cards to the farming community. Total 1015 Soil Health Cards were distributed to the farmers.

- 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, 2016.
- The Monthly District Workshops were jointly organized by the MPKV, Rahuri and Dept. of Agriculture M.S. in the jurisdiction of MPKV, Rahuri during October - December 2016. In all, 27 MDWs were organized. 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.).

RKVY Farmers FIRST Project and ICAR Farmers FIRST Programme Activities

- A farmers training programme on 'Milk and Poultry Production Technology' was organized at by ATIC, MPKV, Rahuri under RKVY project on January 24, 2017. The programme was chaired by Dr. K. P. Viswanatha, Vice Chancellor, MPKV, Rahuri. Dr. K. D. Kokate, Director of Extension Education, MPKV, Rahuri, Dr. A. V. Solanke, Manager, ATIC participated in the programme and guided the participant farmers. In all, 50 farmers participated in the training programme.
- A farmers training programme on 'Sugarcane + Intercropping Production Technology' was organized at by ATIC, MPKV, Rahuri under RKVY project during February, 2017. The programme was chaired by Dr. K. D. Kokate, Director of Extension Education, MPKV, Rahuri, while,



Dr. A.V. Solanke, Manager, ATIC and experts from University participated in the training programme and guided the participant farmers. In all, 50 farmers participated in the training programme.

- A shivar pheri and farmers rally on 'Gram Production Technology' was organized under RKVY Farmer FIRST by REC, Dhule at Nandale Dist. Dhule on January 31, 2017. The function was chaired by Dr. K. D. Kokate, Director of Extension Education, MPKV, Rahuri while, Associate Dean, AC, Dhule, Programme Co-ordinator, KVK, Dhule, Co-Principle Investigator of the project attended the said function. In all, large number farmers attended the farmers rally.
- **A shivar pheri and farmers rally on 'Wheat Production Technology'** was organized under RKVY Farmers FIRST by ARS, Niphad at Kundewadi Dist. Nashik on March 14, 2017. The function was chaired by Dr. K. D. Kokate, Director of Extension Education, MPKV, Rahuri while, Dr. R.S. Patil, Director of Research, MPKV, Rahuri, Wheat Specialist, Co-Principle Investigator of the project attended the said function. Large number farmers attended the farmers rally.
- **The two training programmes on 'Integrated Crop management Technologies'** were organized under ICAR Farmers FIRST Programme on March 24 and 31, 2017 respectively. The programme on March 24, 2017 was chaired Dr. K. P. Viswanatha, Vice Chancellor, MPKV, Rahuri, while, Dr. R.S. Patil, Director of Research, MPKV, Rahuri, Dr. P.B. Kharde, PI and experts from University guided the participants. In all, 90 farmer participants from the Chinchvihire village, Tal. Rahuri participated in the programme.

New Project sanctioned

- The Indian Council of Agricultural Research, New Delhi has sanctioned the project entitled "Socio-economic Empowerment of Farmers through Farming System Interventions for Sustainable Agriculture Development in Ahmednagar District" with budget allocation of Rs. 48.75 lakhs under ICAR - Farmers FIRST Programme (FFP).

Awards and Honours

- **Vice Chancellor Dr. K.P. Viswanatha felicitated with Best Scientist Award:** Vice Chancellor Dr. K.P. Viswanatha was felicitated with Best Scientist of the Year 2016 Award by the National Environmental Science Academy (NESA), New Delhi for his contribution to Agriculture on November 19, 2016. Dr. Viswanatha received the award during the National Conference on Food Security Issues and Environmental Challenges for Indian Agriculture in the Next Decades jointly organized by NESA and Dolphin, College of Science and Agriculture, Chandigarh at Punjab University, Chandigarh.
- **Dr. Kokate felicitated with Jeevan Gaurav Award :** Dr. K.D. Kokate, Director of Extension Education was felicitated with Jeevan Gaurav award by Agroworld at Jalgaon on November 19, 2016 for his contribution to agriculture. He was felicitated at the hands of famous poet Shri. N.D. Mahanor during the Agriculture exhibition organized by Agroworld at Jalgaon.
- **The Krishi Vigyan Kendra, Dhule** received Krishi Mauli Sanmaan Puraskar, 2016.



Directorate of Extension Education

Major Extension Activities carried out by Regional Extension Centres, District Extension Centres and Krishi Vigyan Kendras Extension Activities Report (2016 - 2017)

Sr. No.	Activity	By RECs and DEC's		By KVKs	
		No. of activities	Participant farmers	No. of activities	Participant farmers
1. Training Programmes organized					
i.	For farmers, farm women and youth	95	5790	178	7950
ii.	For staff of development department (State Agril Dept and others)	37	2230	25	1638
iii.	Interaction training programme between farmers and scientists	54	2254	15	992
2. Workshop, seminars participated					
i.	Monthly district workshops	71	2638	32	1399
ii.	Seminars/Conference	5	253	5	25
iii.	Zonal workshops (ZAREAC) Rabi and Summer	4	500	2	250
iv.	Farmer Scientists Forum meetings organized	32	724	4	176
3. Demonstrations and farm trials					
i.	Method demonstrations	884	1474	24	685
ii.	Result demonstrations / Assesment Trials (OFTs)	457	932	-	-
iii.	Assessment Trials	323	323	27	310
iv.	Front line demonstrations and Adaptive trials	381	381	173	1076
4. Other extension education programmes					
i.	Meeting and group discussion (Kisan Goshti etc.)	270	1967	68	1466
ii.	Field visit/shivar pheries	307	4375	142	1030
iii.	Field days	20	2358	13	739
iv.	Farm and home visits	603	722	63	874
v.	Farmers rallies organized / participated	74	22119	6	632
vi.	Agril. Exhibition organized	20	mass	4	Mass
vii.	Agril Exhibition participated	29	mass	11	Mass
viii.	Diagnostic team visit	79	942	210	1041
ix.	Surveillance team visit	11	168	15	114
x.	Lecture by univ. Scientists in diff. Extn. Programme organized by Agril. Dept. NGOs.	611	24622	133	9594



5. No. of persons visited					
i.	Farmers	-	55695	-	5251
ii.	Students	-	8867	-	731
iii.	Trainees	-	3632	-	1653
iv.	Officers	-	2935	-	1337
6. Extension Publications					
i	Folders	26	Mass	18	Mass
ii	Leaflets				
iii	Booklets				
iv.	Popular Articles	171	Mass	35	Mass
ii	Research Articles	12	Mass	-	-
7. Media Coverage					
i	News Articles	-	66	149	Mass
ii	Radio Talks	-	18	22	Mass
iii	TV Talks (Doordarshan and Pvt. TV Channels)	-	21	15	Mass
8. Other Extension Activities					
i.	Agro Advisories (Telephone, SMS etc.)	6778	6778	184	184
ii.	No. of water samples tested	269	269	20	20
iii.	No. of soil samples tested	447	447	1357	1357
iv.	No of Soil Health Card Issued	83	83	1037	1037
v.	No. of pests samples tested	968	968	-	-
vi.	No. of diseases samples tested	407	407	-	-
vii.	Helpline/Telephone Calls attended	42295	42295	4113	4113
9.	Any other (Swatchh Bharat Abhiyan, Jai Vigyan Jai Kisan, Kisan Sammelan etc.)	121	8440	7	1680
10.	Vanmohotsav	9	2155	4	342



5. Major Events

April, 2016

Demonstration on composting organized



Demonstration on production of composting and organic manure was organized in the University. On this occasion, Vice Chancellor Dr. K.P. Viswanatha called for concerted efforts for Swaccha Bharat Abhiyan. He hoped that compost and organic manure production will certainly assist this campaign. Every farmer must produce compost manure on his farm. Shri. Eknath Daule, Regional Commissioner, Nasik Division appreciated the University efforts for Clean India Campaign. He said that the main challenge before us is to keep our villages clean. Dr. K. D. Kokate, Director, Extension Education and Director of Research said that these demonstrations will be made available at all the research stations of the University. Dean (F/A) Dr. B. R. Ulmek also addressed the staff, students and farmers. Dr. S. R. Gadakh gave the introductory remarks. Dr. S. G. Borkar, Head, Department of Plant Pathology, and scientists Dr. C.D. Deokar and Dr. D. B. Pawar briefed about the demonstrations. Dr. A. V. Solanke anchored the programme. Staff, employees and farmers were present on this occasion.

Birth Anniversary of Mahatma Phule celebrated



The Birth Anniversary of great social reformer Mahatma Jyotiba Phule was celebrated in the University. Vice Chancellor Dr. K.P. Viswanatha presided over the function. On this occasion the chief guest Dr. Maheboob Sayyed, Professor, New Arts and Science College, Ahmednagar said that Mahatma Phule was aware of the farmers problems. He not only had the farmers problems in mind but also their solutions. He said that Mahatma Phule was of the opinion that the farmer should be trained effectively for increasing their agriculture income. Apart from this he encouraged production of organic fertilizers, organizing agriculture exhibitions and soil and water conservation measures. Vice Chancellor Dr. K.P. Viswanatha said that we should follow the ideals of Mahatma Phule who had a great vision for agriculture. Dr. P.A. Turbatmath gave the introductory remarks and introduced the chief guest. Dr. K.D. Kokate, Director, Extension Education and Director of Research, Shri. Milind Dhole, University Engineer, Heads Dr. R.M. Naik, and Dr. S.D. Gorantiwar were present on the dias. Shri. Radhesham Dhole anchored the programme, while, Prof. Sharad Patil proposed vote of thanks. The staff, employees and students were present on this occasion.

Bharat Ratna Dr. B.R. Ambedkar anniversary celebrated



The anniversary of great leader Bharat Ratna Dr. B.R. Ambedkar was celebrated in the University. Vice Chancellor Dr. K.P. Viswanatha presided over the function. On this occasion, Shri. Suryanarayan Ransube, Ex-Dean, Swami Ramanand Tirth Marathwada University, Nanded while delivering the chief guest address called for unity among all sections of the society as desired by Dr. Ambedkar. He cited some examples of the greatness of Dr. Ambedkar. Vice Chancellor Dr. K.P. Viswanatha in his presidential address remembered the contribution of Dr. Ambedkar for the downtrodden and neglected section of society. He called for adoption of Dr. Ambedkar's ideals.

MoU Signed between MPKV, Rahuri and NRC, Bikaner



A Memorandum of Understanding (MoU) was signed between MPKV, Rahuri and National Research

Center (NRC) for Camel, Bikaner, Rajasthan. Dr. N.V. Patil, Director, NRC said that this MOU will be benefited to both the institutes. He said that through this MOU there will be efficient utilization of facilities and equipments. This MOU will certainly widen the scope for academic horizon and will be beneficial to students and farmers. Dr. B.R. Ulmek, Dean, Faculty of Agriculture cited the contribution of the University in animal husbandry. He said that this MOU would be a good opportunity for our students where we can extend the facility for quality research. Dr. Y. G. Phulpagare, Head, Department of ASDS gave the introductory remarks. Dr. Ulmek and Dr. Patil signed the MOU on behalf of the respective institutes. Dr. R. J. Desale anchored the programme and Dr. S. D. Mandakmale extended the thanks. for the progress of mankind. Dr. K. D. Kokate, Director, Extension Education and Director of Research gave the introductory remarks. Shri. Radhesham Dhole anchored the programme, while, Student Welfare Officer Prof. Sharad Patil proposed vote of thanks. Dr. M. R. Chauhan presented a poem on Dr. Ambedkar. Heads of Departments, staff and students were present on this occasion.

Vice Chancellor visited College of Agriculture, Kolhapur



Vice Chancellor Dr. K.P. Viswanatha visited College of Agriculture, Kolhapur. While addressing the staff and students he said that we should strive for

uplifting the livelihood of farmers through increased crop production. Agriculture College should be a model. It should be kept clean and green. Hence, every student should plant at least five trees in college campus. On this occasion, he visited the agronomy, dairy farm, horticulture nursery and biofertilizer unit. He inaugurated the renovated girls hostel. Dr. B. R. Ulmek, Dean (F/A) accompanied him during the visit. Associate Dean Dr. G. G. Khot presented the various activities of the college. Students also presented their views. Heads of sections, staff and students were present on this occasion.

Compost Production Demonstrations



Dr. J. V. Patil, Associate Dean, College of Agriculture, Pune inaugurated the compost production demonstrations at college campus. On this occasion, Dr. Patil expressed the need for increasing soil fertility through addition of organic matter. He said that this message should go to the farmers. The farmers need to prepare compost on their farm by utilizing the available crop residues and farm waste. This will lead to lower the cost of crop production. Dr. D. W. Thawal briefed about the compost production. Heads of sections, staff and students attended the programme.

May, 2016

Maharashtra Day celebrated



The 56th Maharashtra Day and International Labour Day was celebrated 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 our country and state is blessed with natural resources. Further, he emphasized the need for conservation of nature to minimize the impact of drought. This University has evolved 237 crop varieties, 25 farm implements and more than 1300 crop production technologies for farming community and other stakeholders, he said.

Dr. K. D. Kokate, Director of Extension Education and Research, Dr. B. R. Ulmek, Dean (F/A), Registrar Shri. Sopan Kasar, Comptroller Shri. B. G. Nirmal, Heads of Department, University scientists were present in large number. The programme was anchored by University Security Officer Dr. U. K. Kadam.

Agriculture Education and Farm Implements Company Meet organized

The State level Agriculture Education and Farm Implements Company Meet was organized at College of Agriculture, Pune in co-ordination with Central Institute for Agriculture Engineering (CIAE), Bhopal. Dr. K. P. Viswanatha, Vice Chancellor presided over the function. In his presidential address, Dr. Viswanatha



opined about less per capita land availability. He emphasized upon need based farm mechanization suitable for marginal and small farmers, its availability and low production cost for increasing farm mechanization.

Director CIAE Dr. K. K. Singh emphasized on need of farm implements and machinery and its proper testing techniques developed at CIAE, Bhopal. Director of Extension Education and Research Dr. K. D. Kokate, Director (ATMA) Mr. K. V. Deshmukh, Former Vice Chancellor Dr. PDKV, Akola Dr. V. M. Mayande, Director NRC on grapes Dr. S. D. Sawant were present for the programme. Dr. V. S. Shirke anchored the programme, while, Dr. P. A. Turbatmath proposed vote of thanks.

Climate Change Workshop organized

A Workshop on Climate Change Knowledge Network-Indian Agriculture (CCKN-IA) was organized at College of Agriculture, Pune. Dr. K. D. Kokate, Director of Extension Education and Research inaugurated the workshop. In his inaugural address, he emphasized on integrated farming and its implementation in agriculture for sustainable production. MPKV has given various recommendations for location specific and need based integrated cropping system, he said.

The Govt. of India is implementing the Climate Change project in three states viz., Maharashtra,

Orissa and Jharkhand in collaboration with GIZ, Germany, MPKV, Rahuri and other stakeholders. Group nursery for paddy, SRI production technology in paddy, Use of plastic bag for improvement of fruit quality in pomegranate, irrigation scheduling, application of biofertilizers and poultry breeds, need based technologies were discussed for its application in selected villages under this project. Representative of GIZ, Germany Dr. Zakir Hussain, Additional Director (ATMA) Dr. Prakash Adangale, State Agriculture Climate Advisor Shri. Somnath Chaudhary, Head Dr. S. D. Gorantiwar, Dr. Uday Deshmukh were present for the workshop. Dr. S. B. Kharbade proposed vote of thanks.

44th Joint AGRESCO organized



The 44th meeting for Joint Agricultural Research and Development Committee of four SAUs of Maharashtra was organized by Dr. PDKV, Akola in co-ordination with MCAER, Pune. Shri. Devendra Fadnavis, Hon'ble Chief Minister, Maharashtra State inaugurated the three day meet. Shri. Eknathrao Khadase, Hon'ble Minister of Agriculture, Marketing and Revenue, M.S. presided over the function, while, Shri. Rajiv Pratap Rudy, Hon'ble Union Minister of State for Skill Development and Entrepreneurship, GOI, Shri. Vishnu Deo Sai, Hon'ble Minister State for Steel and Mines, GOI, Hon'ble Guardian Minister of Akola Dr. Ranjit Patil were the Chief Guests. Member



of Parliament Shri. Sanjay Dhotre, MLA Shri. Prakash Bharsakale, Vice Chairman, MCAER Dr. Ram Kharche, Vice Chancellors of SAUs Dr. K. P. Viswanatha (MPKV, Rahuri), Dr. Venkateswarlu (VNMAU, Parbhani), Dr. Tapas Bhattacharya (DBSKKV, Dapoli), Dr. Raviprakash Dani (Dr. PDKV, Akola) and Directors Dr. K.D. Kokate, Dr. B.R. Ulmek were present for the function.

Dr. K.D. Kokate, Director of Extension Education and Research presented the various crop production technologies, varieties and farm implements. In all, MPKV released 69 crop production technologies, 9 varieties and 3 farm implements.

June, 2016

ZAREAC Kharif -2016 organized



The Zonal Agriculture Research and Extension Advisory Committee (ZAREAC) meeting for Kharif -2016 was organized by the University in co-ordination with State Department of Agriculture at Yashwantrao Chavan Maharashtra Open University (YCMOU), Nasik. Vice Chancellor Dr. K. P. Viswanatha presided over the meeting. In his presidential address, Dr. Viswanatha said that the target of doubling the income of farmers in five years is as ambitious as the second green revolution. The soils profile and health will play a crucial role in achieving this target. He further hoped that research benefits must reach the common farmers. Shri. Vikas Deshmukh,

Commissioner, Agriculture, M.S. declared to observe the first week of July as Agri Awareness Week across the state. He said that farmers will be made aware of the new research and technologies developed by the universities. Our target is to achieve 100% drip irrigation in sugarcane in next four years which will save huge amount of water, he said. The YCMOU Vice Chancellor Dr. Manikrao Salunkhe in his address expressed the need for strengthening the coordination between scientists and extension personnel. At the outset Dr. K. D. Kokate, Director of Extension Education and Director of Research welcomed the dignitaries. He gave a presentation on the new released crop varieties and the agriculture technology recommendations of the University. The University periodical Shri Sugi (kharif) was released on this occasion. Dr. Prashant Bodke anchored the programme and Dr. Kalyan Deolankar proposed vote of thanks. The Associate Directors of Research, Crop Specialists, scientists, officers of State Department of Agriculture., KVKs participated in the discussions.

MPKV awarded with Certificate of Appreciation for Registration of maximum number of extant varieties



The Protection of Plant Varieties and Farmers' Rights Authority, New Delhi appreciated the work of registration of maximum number of extant varieties with PPV and FRA, New Delhi and bestowed the mementoes

and appreciation certificates to Vice Chancellor Dr. K.P. Viswanatha and Director of Research and Director of Extension Education Dr. K. D. Kokate at the hands of Dr. M. S. Swaminathan during the programme “Take it to the Breeders and Researchers- the Plant Breeders and the Researchers Rights” on 30th June, 2016. Dr. S. K. Pattanayak, Secretary(Agriculture), GOI, New Delhi, Dr. R. K. Singh, Jt. Secretary (Agriculture) GOI, Dr. T. Mohapatra, DG, ICAR, Dr. R.S Paroda, Ex. DG, ICAR, Dr. A. K. Singh, DDG (Agril Ext.), ICAR, Dr. R.R. Hanchinal, Chairperson, PPV and FRA and Dr. R.C. Agrawal, Registrar General, PPV and FRA were present during the function. MPKV, Rahuri has registered 36 varieties in 12 different crops and submitted 35 varieties for registration to PPV and FRA, New Delhi. The MPKV, Rahuri encouraged farmers for registration of local varieties, land races and wild types by undertaking awareness programmes every year and assisted to register 100 farmers varieties. The University is having DUS centers for sorghum, chickpea, pearl millet at Seed Technology Research Unit, MPKV, Rahuri for cotton at AICRP on Cotton, MPKV, Rahuri, for china aster, rose and gerbera at NARP, Ganeshkhind, Pune and for maize at NARP, Kolhapur.

10th Annual Review Meeting of MIDH programme



The 10th Annual Review Meeting of MIDH

programme was organized in the University in collaboration with the Directorate of Arecanut and Spices Development, Calicut, Kerala. Vice Chancellor Dr. K. P. Viswanatha in his presidential address emphasized the need for organizing commodity groups of farmers which will link to market and industry. This will support the medicinal and spices growing farmers. The agriculture entrepreneurs will have a great opportunity in the Skill India and Startup India Campaign he said. In his inaugural address Dr. M. Tamil Selvan, Additional Commissioner, Horticulture, Govt. of India said that the major challenge before us is low productivity of spices supply of good quality planting material and its availability. He further said that we need to concentrate on adaptive research. Dr. K. D. Kokate, Director of Extension Education and Director of Research in his welcome address said that Maharashtra is the pioneer state in horticulture development and the University has a rich contribution in this field. Dr. Homey Cheriyan, Director, Directorate of Arecanut Spices Development, Calicut in his introductory remarks said that planting material is a tool for prosperity for empowering the farmers. Hence, we need to concentrate on the quality aspect. Dr. K. Nirmal Babu, Project Coordinator (Spices), IISR, Calicut said that spices are high value and low volume crop. The value addition of spices is an important aspect. Dr. R. S. Wagh anchored the programme, while, Dr. S. R. Gadakh, Head, Department of Botany proposed thanks. Dr. Femina, Dy. Director, DASD, Calicut, Dr. S. R. Ranpise, Head, Department of Horticulture, Dr. Suresh Dodke, Incharge, Medicinal and Aromatic Plants Project and scientists attended the programme.

International Yoga Day celebrated

The second International Yoga Day was





enthusiastically celebrated in the University. A workshop was organized on this occasion. In his presidential address Vice Chancellor Dr. K.P. Viswanatha said that yoga science is a valuable gift of India to the world. Yoga is needed for healthy mind and body of a human being. Hence, we need to adopt this science for happy and healthy life. Shri. Suresh Sawant, Yoga expert underlined the various benefits of yoga. On this occasion, he performed various demonstrations of yogasanas. Dr. K. D. Kokate, Director of Extension Education and Director of Research gave the introductory remarks and introduced the chief guest. Prof. Sharad Patil, Students Welfare Officer expressed vote of thanks. Registrar Shri. Vikas Pansare, Comptroller Shri. B. G. Nirmal, staff and students participated in the programme. On the next day in the morning various yogasans were demonstrated and practiced by the staff and students on the University ground. Registrar Shri. Vikas Pansare gave the introductory remarks. Dr. K. D. Kokate, Director of Extension Education and Director of Research gave the oath on yoga. Vice Chancellor Dr. K. P. Viswanatha guided the staff and students. Dr. B.D. Patil and his associates guided the participants on yogasanas and pranayam.

Brain Storming Session on Issues in Pomegranate organized

A Brain Storming Session on Issues in



Pomegranate crop was organized by the University in co-ordination with National Research Center for Pomegranate (NRC), Solapur at College of Agriculture, Pune. Vice Chancellor Dr. K.P. Viswanatha in his presidential address cited the importance of pomegranate for the scarcity areas of Maharashtra state. He said that this crop has contributed immensely for the socio economic condition of the farmers. An action plan will be developed and implemented for overcoming the constraints in pomegranate crop, he said. Dr. N.K. Krishna Kumar, DDG, Horticulture, ICAR, New Delhi applauded the contribution of MPKV in pomegranate. He further said that this workshop is a good platform for healthy interactions among the University, NRC and farmers. Dr. P.V. Patil anchored the programme, while, Dr. R.K. Pal, Director, NRC proposed vote of thanks. Dr. K.D. Kokate, Director, Extension Education and Director of Research, Dr. K. V. Prasad, Directorate of Floriculture, Centre, Pune, Shri Prabhakar Chandne, President, Pomegranate Grower Association, Dr. K.B. Patil, Jain Irrigation and pomegranate growers participated in the discussions. Dr. Vinayak Joshi and Dr. Ashok Walunj took efforts for organizing the programme.

Workshop on Grapes organized

A Brain Storming Session in Grapes was organized by the University in Co-ordination with National Research Centre for Grapes, Pune at College



of Agriculture, Pune. Vice Chancellor Dr. K. P. Viswanatha in his presidential address applauded the farmers efforts for record grape production in spite of scarcity condition. He assured technological support for minimizing constraints in grape cultivation. Dr. N. K. Krishna Kumar, DDG, Horticulture, New Delhi expressed the need for increasing productivity of fruit crops. He said that at present the livelihood status of people is been recognized on their fruit consumption. Dr. K. D. Kokate, Director, Extension Education and Director of Research and Dr. S. D. Sawant, Director, NRC, for Grapes also addressed the workshop. Dr. K. V. Prasad, Directorate of Floriculture, Pune, Shri. Subhash Arve, President, Grapes Grower Association, Shri. Vilas Shinde, Managing Director, Sahyadri Farmers Producer Company Ltd., Nasik and grape growers attended the workshop. Dr. S. A. Ranpise, Head, Department of Horticulture gave the introductory remarks and Dr. P.V. Patil extended the thanks.

ZARS, Igatpuri completed 75 years of establishment

The MPKV's Zonal Agricultural Research Station located at Igatpuri, Dist. Nashik has completed its 75 years of establishment. On this occasion a Farmers-Scientists Interaction was organized. Dr. K.D. Kokate, Director of Extension Education and Director of Research presided over the function. In his presidential address he lauded the contribution of ZARS Igatpuri.



especially on research on neglected but important crops like khurasni, nachani, varie, kulthi etc. He appreciated the research and extension activities of the centre. But still the major challenge before the scientists is to increase the productivity of the crops, he said. The Chief Guest Shri. Sanjay Shevale, Taluka Agriculture Officer, Igatpuri briefed about the various schemes of State Department of Agriculture. Prof. Vijay Patil, Associate Director of Research, ZARS, Igatpuri made a presentation on the achievements of the centre. Dr. V. D. Shende, ADR, Shri Anil Wage, President of Farmers-Scientist forum and progressive farmers were present on this occasion. Dr. Prashant Bodke anchored the programme.

Agriculture Education Day celebrated



Agriculture Education Day was celebrated in the central campus of MPKV, Rahuri and its jurisdiction. Addressing the students at Dr. A. S. College of Agril. Engg. & Tech., Comptroller Shri. B.G. Nirmal emphasized the contribution of agriculture sector in

development of the country. He said that agriculture and agriculture engineering graduates have a great scope for self employment and entrepreneurship development. Shri. Vijay Kote, Treasurer, Ahmednagar district in his chief guest address called upon the rural youth to become agriculture graduates for the benefit of farming community. Dr. P.A. Turbatmath, Associate Dean, Dr. A.S. College of Agril. Engg. & Tech. gave the introductory remarks. Officers of Dr. A.S. College of Agril. Engg. & Tech. gave a presentation and career guidance for students. Dr. Rajendra Kenghe anchored the programme, while, Miss. Patvardhan proposed vote of thanks. The HSC passed students and their parents attended the programme.

Dr. G. G. Khot, Associate Dean presided over the function organized on the eve of Agriculture Education Day at College of Agriculture, Kolhapur. In his address he briefed about various opportunities for agriculture graduates. The chief guest Shri. Sanjay Pawar, Deputy Collector, Kolhapur in his address said that majority of students should select agriculture as their career option. Shri. Sanjay Shinde, Deputy Collector, Sangli also guided the students on this occasion.

The Agriculture Education Day was also celebrated at College of Agriculture, Pune. Shri. Sanjay Bangar, Manager, District Entrepreneur Development Center, Pune while guiding the students said that they should harvest the benefit of Make In India campaign of the Central Government. Dr. V. S. Shirke, Incharge, Associate Dean guided the parents and students about the eligibility and procedure of agriculture admission. Prof. T. S. Bhondve, Student Welfare Officer briefed about facilities for students at the college.

July, 2016

Hon'ble Union Minister of Agriculture and Farmers Welfare visited MPKV, Rahuri



July 11, 2016. Hon'ble Union Minister of Agriculture and Farmers Welfare Shri. Radha Mohan Singh visited the Mahatma Phule Krishi Vidyapeeth, Rahuri. Vice Chancellor Dr. K. P. Viswanatha welcomed and felicitated Hon'ble Union Minister on this occasion. While addressing the staff, students and farmers Shri. Radha Mohan Singh informed about the Government's efforts like Prime Minister Crop Insurance Scheme, Soil Health Cards for the benefit of farmers. The development of nation is only possible through the progress of agriculture and farmers in the villages. Food security and climate change are the major challenges before us, hence utilization of science, technology and human resource development must be our priority, he said. He appraised about the scheme Mera Gaon Mera Gaurav through which large number of villages will be contacted by the scientists. The combined efforts of the Government, farmers and scientists will help to achieve the expected agricultural development, he hoped. Vice Chancellor Dr. K. P. Viswanatha in his address appraised the contribution of MPKV in the fields of agriculture education, research and extension education. Dr. B. R. Ulmek, Dean, Faculty of Agriculture gave the welcome address. Dr. K. D. Kokate, Director of Extension

Education and Research gave a lucid presentation of research achievements of the University. Shri. Dilip Gandhi, Member of Parliament also addressed on this occasion. Dr. A. V. Solanke anchored the programme, while, Dr. S. D. Gorantiwar proposed vote of thanks. Shri. Sadashiv Lokhande, Member of Parliament, Agriculture Commissioner Shri. Vikas Deshmukh, District Collector Shri. Anil Kawade, Chief Executive Officer, Z. P. Shri. Binawade, Executive Council members of the University Shri. Bhausaheb Wakchaure, Ex-M.P., Shri. Prakash Gajbhiye, Dr. S. D. Sawant, Shri. Chandrashekhar Kadam, Vice-President, Shree Saibaba Sansthan, Shirdi staff, students and farmers were present for the function. Earlier on his arrival Shri. Radha Mohan Singh visited the exhibition organized at the Agriculture Technology Information Centre of the University.

Vanmohostav and Krishi Din celebrated



July 1, 2016. The Vanmohostav and Krishi Din programme was enthusiastically celebrated at MPKV, Rahuri. Vice Chancellor Dr. K.P. Viswanatha presided over the function. In his presidential address he emphasized on tree plantation for balanced environment. He said that we are experiencing the ill effects of global warming. We need to have 33 per cent of our total land under forests. For this purpose every individual should plant and conserve at least one tree. Dr. K.D. Kokate, Director, Extension Education

and Research in his introductory remarks said that we are celebrating the birth anniversary of late Vasant Naik, former Chief Minister of Maharashtra as Krishi Din. He hoped that this is a good participatory activity which will be monitored quarterly. Dr. R.S. Wagh presented the plan of tree plantation and scientific method of planting the saplings. Registrar Shri. Vikas Pansare proposed vote of thanks, while, Dr. A.V. Solanke anchored the programme. Dr. B.R. Ulmek, Dean, F/A, Comptroller Shri. B.G. Nirmal, University Engg. Shri. Milind Dhoke, Dr. P.A. Turbathmath, Associate Dean, Dr. ASCAE, Dr. D. B. Yadav, Head, dept. of Agril. Economics, staff and students were present on this occasion. More than one thousand University employees and students planted more than 61000 saplings in the campus.

Similar programme was organized at all the colleges and jurisdiction of the University. Trees were also planted in College of Agriculture, Kolhapur under the guidance of Associate Dean Dr. G.G. Khot. Similarly, 800 saplings were planted at Central Sugarcane Research Station, Padegaon under the guidance of Sugarcane Specialist Dr. S.M. Pawar.

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



July 15, 2016. Dr. K.P. Viswanatha, Vice Chancellor of MPKV, Rahuri was felicitated with the Lifetime Achievement Award for his contribution to cleanliness



education and research. The award is instituted by the National Institute of Cleanliness Education and Research (NICER), New Delhi. Dr. Viswanatha received the award on the auspicious occasion of the World Youth Skills Day 2016 at the India International Centre, New Delhi at the hands of Dr. Charles Mercieca, President, IAEWP and Mr. Utkarsh Sharma, Director, NICER. The Board of Governors of the International Association of Educators for World Peace (Affiliated to United Nations-ECOSOC, DPI, UNICEF and UNESCO) on the specific recommendations of NICER conferred the award to Vice Chancellor Dr. K.P. Viswanatha. Vice Chancellor Dr. Viswanatha has initiated the cleanliness campaign in the University. He has called for Clean University Green University campaign.

Training Programme organized at AC, Pune



July 2016. A three day training programme on Advanced technology for crop production in kharif season was organized by the University at College of Agriculture, Pune in co-ordination with the National Institute of Agriculture Extension Management (MANAGE), Hyderabad. Dr. K.D. Kokate, Director Extension Education and Research inaugurated the programme. In his address he said that the University has made rich contribution in agriculture research. New improved crop varieties and technologies have been released by the University. This need to reach the

farmers. Hence, the Agriculture Consultants should update themselves with the recent technologies. Dr. V.S. Shirke, Professor of Agril. Extension gave the introductory remarks. Dr. S. D. Masalkar, Principal, College of Horticulture, Pune, Dr. G. K. Waman, Co-ordinator, staff and trainees were present for the programme.

SAC meeting of KVK, Borgaon organized



July, 2016. The Scientific Advisory Committee (SAC) meeting was organized at KVK, Borgaon, Dist. Satara. Vice Chancellor Dr. K.P. Viswanatha presided over the meeting. While guiding the KVK scientists he laid stress on compost making for agriculture. He also emphasized on Swachh Bharat Abhiyan and Prime Minister Crop Insurance Scheme. Dr. K.D. Kokate, Director, Extension Education and Research and Dr. Y.G. Prasad, Director, ATARI, Hyderabad gave valuable suggestions in their address. Prof. Mohan Shirke, Programme Co-ordinator presented the various activities of KVK. All the SMS of KVK gave the presentation on FLDs, OFTs and training programmes organized by KVK. Er. Mahesh Pacharne anchored the programme, while, Dr. Mahesh Babar proposed vote of thanks. The dignitaries, SAC members and progressive farmers visited the KVK seed production plot of Phule Agrani variety of soybean.

CCKN-IA Workshop organized

July 2016. A two day Workshop on Climate Change Knowledge Network-Indian Agriculture (CCKN-IA) was organized at Pune by MPKV, Rahuri in coordination with Agriculture and Farmers Welfare Ministry and German Development Corporation.



Dr. K.D. Kokate, Director, Extension Education and Research briefed about the project. He said that two districts viz., Pune and Ahmednagar have been selected for this project. Through this project block level contingency planning for 24 villages in the two talukas of these districts has been planned. Farmers will be given advice through mobile. Dr. V.P. Sharma, Director, MANAGE, Hyderabad, Dr. Y.G. Prasad, Director, ATARI, Hyderabad, Dr. G. Ravindra Chary, Co-ordinator, CRIDA, Hyderabad, Dr. Raju, Mr. Zakir, Shri. Nadeem of GIZ, Germany, State Agriculture Advisor Shri. Somnath Chaudhary, Shri. Subhash Khemnar, Director, ATMA, Shri. Sunil Borkar, PD, ATMA took part in the discussions. The University scientists and KVK SMS participated in the workshop. Dr. S.D. Gorantiwar, Co-PI, CCKN-IA project proposed vote of thanks.

State Level Workshop on Sugarcane organized in Kolhapur

July 2016. A State level Workshop on Sugarcane Production Technology was organized by MPKV's Central Sugarcane Research Station (CSRS), Padegaon



in co-ordination with the Bhartiya Sugar at Shivaji University, Kolhapur. Dr. K.D. Kokate, Director, Extension Education and Research inaugurated the workshop. In his address he said that inspite of the increased area under sugarcane crop in Maharashtra, we have not yet achieved the expected per ha. productivity of sugarcane. The CSRS, Padegaon has done a commendable research work on sugarcane by developing high yielding varieties and production technologies of sugarcane for the benefit of farmers. Efforts are needed for increasing the area under drip irrigation in sugarcane crop, he said. Shri. Vikramsingh Shinde, Founder Chairman, Bhartiya Sugar, Pune, Dr. G.G. Khot, AD, AC, Kolhapur, Shri. C.N. Deshpande, Vice President, Bhartiya Sugar, and officers, scientists, farmers were present on this occasion. Thirteen progressive sugarcane farmers were awarded the Bhartiya Sugar-2016 awards for taking record sugarcane yield and also two young scientists were awarded the Bhartiya Sugar Young Sugarcane Research Awards-2016. Dr. S.M. Pawar, Sugarcane Specialist gave the introductory remarks. Dr. D.H. Phalke anchored the programme, while, Shri. Sangramsingh Shinde proposed thanks.



August, 2016

Site visit to new Agriculture College at Halgaon organized

August 31, 2016. The site visit to newly sanctioned Punyasholk Ahilyadevi Holkar College of Agriculture, Halgaon was organized under the chairmanship of Vice Chancellor Dr. K.P. Viswanatha. Prof. Ram Shinde, Hon'ble Minister for Water Conservation and Guardian



Minister, Ahmednagar was the chief guest. In his address Prof. Ram Shinde said that state government has sanctioned Rs. 65 crore budget for the new college, out of which Rs. 5.39 crore will be made available during the current year for various activities and infrastructure development. The detail plan of the said college was presented by Dr. V. D. Shende, Nodal Officer. Vice Chancellor Dr. K.P. Viswanatha, Director of Extension Education and Research Dr. K.D. Kokate, Dean (F/A) Dr. B.R. Ulmek, Registrar Shri. Nilesh Jadhav, Comptroller Shri. B.G. Nirmal, University Engg. Shri. Milind Dhoke, AD, Dr ASCAE Dr. P. A. Turbatmath, Dy. Registrar Shri. B. S. Palvi, Dr. P. B. Kharde, Officer Incharge, Communication Centre, staff and villagers were present on this occasion.

Independence Day celebrated

August 15, 2016. The 70th Independence Day of the country was celebrated in the University with great enthusiasm. Vice Chancellor Dr. K. P. Viswanatha



hoisted the National Flag. In his address, he reviewed the various activities undertaken by the University. He said that the University has released 9 crop varieties, 3 farm implements and 69 crop production technologies during 44th Joint Agresco Meet. The University has received Rs. 10 crore grants for Gene Bank Project. He congratulated the University staff for their involvement in Swachha Bharat Abhiyan and massive tree plantation programme. The former Vice Chancellor Dr. BSKKV, Dapoli Dr. K. E. Lawande, IFS Officer Shri. Laxman Murty, Dean (F/A) Dr. B. R. Ulmek, Associate Dean Dr. P. A. Turbatmath, Registrar Shri. Nilesh Jadhav, Comptroller Shri. B.G. Nirmal, University Engineer Shri. Milind Dhoke, staff, students were present on this occasion. A blood donation camp was organized at Dr ASCAET on this occasion. The NCC cadets under the leadership of NCC Officer Dr. R. N. Kenghe gave ovation to Vice Chancellor. Security Officer Shri. Gorakshanath Shete anchored the programme.

XXVIIth Dr. S. P. Raychaudhari Memorial Lecture 2016 organized

August 20, 2016. The XXVIIth Dr. S. P. Raychaudhari Memorial Lecture 2016 was organized by the Rahuri Chapter of Indian Society of Soil Science (RCSS), MPKV, Rahuri in collaboration with the Indian Society of Soil Science, New Delhi. Vice Chancellor Dr. K.P. Viswanatha presided over the function. Dr. Tapas Bhattacharyya, Chief Guest and



Speaker and Vice Chancellor, DBSKKV, Dapoli delivered a lecture on Soil Diversity in India on this occasion. He said that India can be called a land of paradoxes because of the large variety of soils. Soil studies on soil mapping and classification have been done in the country. He further defined the role of climate on soil diversity. Vice Chancellor Dr. K.P. Viswanatha in his presidential address said that we have celebrated the International Year of Soil last year. The Government has started a massive programme of Soil Health Card which will certainly benefit the farmers. He emphasized the importance of fertile soil for feeding huge population. Dr. B.R. Ulmek, Dean, F/A in his address said that a serious thought is needed for deterioration of soil health and applauded the Rahuri Chapter for organizing the lecture. Dr. A. L. Pharande, President, RCSS and Head, Department of Soil Science and Agriculture Chemistry gave the introductory remarks. Dr. P. A. Turbatmath, AD, Dr ASCAE, Prof. S. R. Shelke, Treasurer, RCSS, staff and students attended the programme. Dr. P. P. Kadu, Secretary, RCSS anchored the programme.

Training programme organized

August 29, 2016. A training programme on Fruits and Vegetable Processing was organized by the Department of Food Science and Technology (FST), MPKV, Rahuri. The concluding session of the training programme was organized under the chairmanship of



Vice Chancellor Dr. K.P. Viswanatha. In his address, he opined about importance of post harvest skills in agriculture. Farmers should start small post harvest units and develop their own brands and markets. He also emphasized on the involvement of farmers groups in Start Up programme in agriculture based on post harvest skills. Dr. Kokate and Dr. Ulmek applauded the efforts of FST Department and guided the participants. Dr. S.B. Shinde, Associate Dean, AC, Nandurbar, Dr. R. M. Naik, Head, Department of Biochemistry, Dr. P. B. Kharde, Officer Incharge, Communication Centre, scientists Dr. Dhemre, Dr. Kad were present on this occasion. Dr. S. S. Thorat, Head, Department of FST gave the introductory remarks. Dr. Raju Gaikwad anchored the programme, while, Dr. Sudhir Lande proposed vote of thanks. In all, 22 participants were trained in this programme.

Workshop on Climate Change Knowledge Network organized

August 1, 2016. The Mahatma Phule Krishi Vidyapeeth, Rahuri in collaboration with GIZ, Germany, Department of Agriculture, M.S. and WOTR, Pune organized a one day workshop on Climate Change Knowledge Network – Indian Agriculture (CCKN-IA). The workshop was inaugurated at the auspicious hands of Director of Extension Education and Research Dr. K.D. Kokate. In his inaugural address Dr. Kokate emphasized the need of micro agro eco-situation





analysis. The block level and need based contingency plans will be helpful for the farming community, he said. The block level contingent plan was finalized in consultation with the University scientists. Dr. Zakir Husain, Project National Agriculture Advisor, Shri. S.C.Borkar, Project Director, ATMA, Shri. Somnath Chaudhary, State Advisor were present on this occasion. The programme was anchored by Dr. S.D. Gorantiwar, while, Dr. R.P. Andhale proposed vote of thanks.

Orientation Programmes organized



August 11, 2016. The orientation programme for students was organized at AC, Pune under the chairmanship of Vice Chancellor Dr. K.P. Viswanatha. In his address, he emphasized the need of self discipline and dedication for development of student life. Further, he motivated the students to become best citizens and contribute for development of agriculture in future. The students should have a definite goal in their life, he said. Dr. J.V. Patil, Associate Dean, Dr. S.D. Masalkar, Dr. S.B. Kharbade, Dr. Ram Bansod,

Prof. Tukaram Bhondave, Dr. Deepak Patil, Shri. Azaz Sayyed, students were present on this occasion. Dr. P. D. Suryawanshi anchored the programme, while, Dr. Indira Ghorpade proposed vote of thanks.

August 20, 2016. The orientation programme for PG students was organized at MPKV, Rahuri under the chairmanship of Dean (F/A) Dr. B.R. Ulmek. In his address Dr. Ulmek put forth the scope of specialization in agriculture. He said that students



should go for applied research based on the farmers needs and problems. They need to update themselves with the latest situation and thereby select their research problems. Presentations were made by the concerned staff regarding academic rules and regulations, hostel facilities, library, PG farm, student welfare activities and scholarships. Dr. S. B. Bhange, Technical Officer welcomed the Dean, F/A for the programme. Dr. P. B. Kharde, Associate Professor (Agril. Extension) anchored the programme. Dr. R. M. Naik, Vice President, Student Council, Dr. R. S. Wagh, Student Welfare Officer, Shri. R. N. Bhujbal, Assistant Registrar, staff and students were present on this occasion.

August 26, 2016. The students orientation programme was also organized at AC, Kolhapur. Associate Dean Dr. G. G. Khot in his address opined about the all round development of students through institutional rules and regulations. Further, he



emphasized on the students involvement for better institutional development. Dr. Raghunath Kulkarni, Dr. Dinkar Kamble, Dr. Vijay Tarde, Dr. Abhay Bagde, staff, students were present on this occasion. The programme was anchored by Shri. Vishal Giri, Shri Lomte, Ku. Shevale, Ku. Pisal, while, Prof. B. T. Kolagne proposed vote of thanks.

Vasantrao Naik Agricultural Scientist Award

August 18, 2016. Dr. Jitendra Kadam, Officer Incharge, Turmeric Research Scheme, Kasbe Digraj, Sangli was felicitated with the Vasantrao Naik Agricultural Scientist Award 2016 by the Vasantrao Naik Smruti Prathisthan, Pusad, Dist. Yavatmal. Dr. Kadam is working on turmeric since last nine years. He is doing research on package of practices of turmeric especially fertigation, fertilizer management, water management and processing of turmeric and guiding to the farmers. He has been advising to the farmers through farmers rally, radio, Doordarshan, newspapers and several magazines. He has contributed significantly in increasing the productivity of turmeric in Maharashtra.

September, 2016

Centre of Excellence for Pomegranate inaugurated at MPKV, Rahuri



September 12, 2016. The Centre of Excellence for Pomegranate, an Indo-Israel project and Farm Implements Museum was inaugurated at the auspicious hands of Shri. Pandurang Fundkar, Hon'ble Minister of Agriculture and Horticulture, M. S. at central campus, MPKV, Rahuri. Vice Chancellor Dr. K. P. Viswanatha presided over the function. Addressing the staff, students and farmers Shri. Fundkar stressed the need for developing varieties which can withstand climate change, water scarcity and resistant to pests and diseases. He said that as the population is increasing the land holding is decreasing day by day. This is a cause of concern which needs to be addressed. Quality education is very much needed, he asserted. He lauded the efforts of the farmers of the state for increasing the crop production despite drought condition during the last three years. Prof. Ram Shinde, Hon'ble Minister of Water Conservation and Protocol, M.S. and Guardian Minister, Ahmednagar was the chief guest for the function. In his address Prof. Shinde said that we need to adopt the water saving technologies of Israel. He hoped that the Jalyukta Shivar scheme of the Government will succeed with the participation of the people. Shri. David Akov, Consulate General, Israel in his address put forth the objectives of the Indo-Israel project.



He hoped that the Israel technology and agriculture management will certainly benefit the Indian farmers. Vice Chancellor Dr. K. P. Viswanatha in his presidential address highlighted the contribution of the University in education, research and extension education. He cited the noteworthy contribution of MPKV in pomegranate research. Shri. Shivajirao Kardile, MLA, Shri. Prakash Gajbhiye, MLC, Shri. Dan Aluf, Consultant, Agriculture, Israel also addressed the gathering. Dr. K. D. Kokate, Director of Extension Education and Research welcomed the dignitaries and briefed about the Indo-Israel project. Shri. Balasaheb Murkute, MLA, Executive Council members Shri. Bhausaheb Kamble, MLA, Shri. Bhausaheb Wakhchaure, Ex M.P., Shri. Prakash Patil, Adv. Krishnaji Yadav, Dr. S. D. Sawant, Dr. B. R. Patil, Shri. Chandrashekhar Kadam, Vice-President, Shree Saibaba Sansthan, Shirdi, Dr. S.A. Ranpise, Head, Department of Horticulture, Dr. Vinay Supe, Horticulturist, AICRP on Arid Zone Fruit Crop Research Project, officers, staff and farmers were present on this occasion. Dr. B. R. Ulmek, Dean, Faculty of Agriculture proposed vote of thanks. Dr. A. V. Solanke anchored the programme. The dignitaries also visited the agril. exhibition showcasing the University technologies.

Teachers Day celebrated at MPKV, Rahuri

September 6, 2016. The Teachers Day was celebrated at MPKV, Rahuri in memory of former President of India late Sarvapalli Radhakrishnan. Dr. C.D. Mayee, Former Chairman, ASRB, New Delhi delivered the lecture on Talent Search for Manning Agriculture Tree : The Priority of The Sector. Vice Chancellor Dr. K.P. Viswanatha presided over the function. In his presentation Dr. C.D. Mayee gave an overview of the National Agriculture Research System



(NARS) and its major achievements. He said that teaching, research and extension is a noble profession and young agricultural graduates need to be attracted towards it. He emphasized on the fact that more students should go for Agriculture Research Service (ARS) and National Eligibility Test (NET) exams. The ICAR is focusing on quality assurance in agriculture education, hence we need to focus on this aspect, he said.

Vice Chancellor Dr. K.P. Viswanatha in his presidential address stressed the need for retaining youth in agricultural education. Punctuality and discipline are very much needed by the students as well as teachers. MPKV is collaborating with international and national institutes in the sector of education and research, he said. Dr. B.R.Ulmek, Dean, F/A, gave the introductory remarks and introduced the chief guest. The students also expressed their views. Student Mr. Pratapsingh Chavan anchored the programme, while, Shri. Adishan Dhole proposed vote of thanks. Staff and students were present on this occasion.

The Teachers Day was also celebrated at College of Agriculture, Pune in which retired Lit.Col. Shri. Sameer Kulkarni guided the students. Dr. J.V. Patil, AD, AC, Pune, Dr. D. S. Thawal, Prof. T. S. Bhondve, staff and students were present on this occasion.

MPKV forage variety released at National Level



September 5, 2016. The MPKV developed forage crop variety of oat RO-11-1 has been released at the national level. The variety was released during the National Group Meeting of All India Coordinated Research Project (AICRP) on Forage Crops and Utilization for rabi 2015-16 organized by Kerala Agricultural University at Vellayani-Thiruvanthapuram Campus. Dr. I.S. Solanki, ADG, Food and Forage Crops, ICAR New Delhi, Dr. P. Rajendran, Vice Chancellor, Kerala Agriculture University, Dr. A.K. Roy, Project Co-ordinator, AICRP on Forage Crops and Utilization, Zhansi were present on this occasion. This rabi variety of oat contains 8.1 % protein and gives yield of 450-520 t/ha. (green fodder) and 90-120 t/ha. (dry fodder). Many varieties developed by the Forage Research. Project of MPKV, Rahuri have been released at the national level. Vice Chancellor Dr. K.P. Viswanatha and Director, Extension Education and Research Dr. K.D. Kokate has congratulated the forage scientists Prof. Ajit Sonone, Dr. Annasaheb Tambe and Dr. Damame for their contribution.

Training Programme organized

September 30, 2016. A training programme on Food Production Technology for Rabi crops was organized in the University in co-ordination with the

ICAR, New Delhi. In his presidential address Vice Chancellor Dr. K.P. Viswanatha said that development of nucleus and breeder seed is the responsibility of the University. For this propose proper planning and co-ordination is needed. He said that seed industry is one of the largest sectors in the country. As a Govt. institution we need to fulfill the need for hi high volume and low value crops for the benefit of majority of farmers. He thanked the ICAR for funding Rs. 1.5 crore to MPKV for establishing the seed hub. In his speech he focused on genetic purity of seed, optimum plant protection, role of honey bees for increasing seed set and use of combined harvester for harvesting the crops. Shri. Vijay Kumar Ingale, Joint Director of Agriculture, Pune emphasized the need for increasing the seed replacement ratio of various crop varieties. The Agriculture Department will co-ordinate with the MPKV, Rahuri for increasing the seed production, he said. Dr. K.D. Kokate, Director of Extension education and Research in his address said that seed is an important input for increasing crop production. He said that the University is making efforts for developing MPKV brand of quality seed. Dr. S.R. Gadakh, Chief Scientist, Seed gave the introductory remarks. Dr. S.K. Ransing anchored the programme, while, Dr. C.B. Salunke proposed vote of thanks. Dr. B.G. Nirmal, Comptroller, Dr. P.A. Turbatmath, AD, Dr. ASCAC, Mr. Barhate, Mr. Rokade were present on the dias. Officers of the University and Agriculture Department attended the training programme.

October, 2016

31st Convocation of MPKV, Rahuri organized

October 22, 2016. The 31st Convocation of MPKV, Rahuri was organized at Central Campus,





Rahuri. Shri. Pandurang Fundkar, Hon'ble Minister for Agriculture and Horticulture, M.S. and ProChancellor presided over the function. Dr. Trilochan Mohapatra, Hon'ble Secretary, DARE and Director General, ICAR was the chief guest. Prof. Ram Shinde, Hon'ble Minister of Water Conservation, M.S. and Guardian Minister, Ahmednagar, Shri. Sadabhau Khot, Hon'ble Minister of state for Agriculture, Horticulture and Marketing, M.S., Vice Chancellor Dr. K.P. Viswanatha, Dr. B.R. Ulmek, Dean, F/A, Mrs. Pallavi Nirmal, Registrar, Dr. P.A. Turbatmath, AD, Dr. ASCAE and Executive Council members Shri. Prakash Gajbheye, MLC, Shri. Bhausaheb Kamble, MLA, Shri. Bhausaheb Wakchaure, Ex M.P., Dr. S.D. Sawant, Director, NRC, Grapes, Dr. B.R. Patil, Shri. Tushar Pawar, Dr. K.D. Kokate, Director, Extension Education, Dr. R.S. Patil, Director of Research, Shri. B.S. Palvi, Dy. Registrar, Academic were present on the dais.

In his convocation address Dr. Trilochan Mohapatra, Hon'ble Secretary, DARE and Director General, ICAR, New Delhi said that climate change is the major challenge to Indian Agriculture. The harsh weather events coupled with frequent droughts along with global warming are the challenges faced by farmers. In view of this research should be focused on developing climate resilient crop varieties that can withstand and produce yield in high temperature and low moisture condition. He said that the government

has initiated the Statup India, Standup India campaigns to promote financing for startups and offered incentives to boost entrepreneurship and job creation. He called upon the young technologists to become entrepreneurs and creating job opportunities for others. Further, he stated the need for integrating agriculture, horticulture and animal husbandry in a very planned and systematic manner supported by suitable post harvest technology and value addition for doubling the farmers income as announced by Hon'ble Prime Minister. He congratulated the University for its significant contribution in agricultural education, research and extension.

Vice Chancellor Dr. K.P. Viswanatha while presenting the University report highlighted the salient accomplishments of the University. He gave an overview of education, research and extension education activities of the University. The University is successfully implementing the Swachha Bharat Abhiyan programme by adopting several measures. During Vanmahostav 2016 he informed that more than 60,000 saplings were planted in the University jurisdiction.

Medals were awarded to the successful students at the hands of Shri. Pandurang Fundkar. Degrees to 5799 students including 72 Ph.D., 355 PG and 5372 UG degrees were awarded during the function.

Shri. Chandrashekhar Kadam, Vice Chairman Shri Saibaba Sansthan Shirdi, Vice Chancellors Dr. Raviprakash Dani (DrPDKV, Akola), Dr. B. Venkateswarlu (VNMKV, Parbhani) and former Vice Chancellors Dr. S.N. Puri, Dr. Y.S. Nerkar, Dr. R.B. Deshmukh, Dr. S.S. Magar, Dr. K.E. Lawande, Dr. S.S. Kadam, Dr. V.M. Mayande, and Dr. T.A. More, Comptroller Shri. B. G. Nirmal, Univ. Engg. Shri. Milind Dhoke, HODs, staff, students and parents were present for the function. Dr. A.V. Solanke anchored the programme.

Secretary, DARE and DG, ICAR visited MPKV, Rahuri



October 22, 2016. Dr. Trilochan Mohapatra, Hon'ble Secretary, DARE and Director General, ICAR, New Delhi visited the different research projects of MPKV, Rahuri on the occasion of University convocation. He visited the photographic exhibition at the Agriculture Technology Information Centre (ATIC). Further, he visited the Pulses Improvement Project and was apprised of the valuable research of MPKV in development of chickpea varieties. Dr. Mohapatra took keen interest in the University evolved pigeon pea variety Rajeshwari during his field visit. He also visited the Vegetable Improvement Project, Horticulture Nursery, Biotechnology Lab and Farm Implement Training Centre cum Museum. Dr. K.D. Kokate, Director, Extension Education accompanied him during the visit.

ZAREAC Interface for Rabi-Summer organized

October 7, 2016. The Zonal Agriculture Research and Extension Advisory Committee meeting for Rabi-Summer seasons was organized at the National Agriculture Research Project (NARP), Solapur. Vice Chancellor Dr. K.P. Viswanatha presided over the meeting. In his address he hoped for a good co-ordination between Agril. University and



Department of Agriculture for effective transfer of technology. He said that the Agriculture Department is a bridge between the Agril. University and farmers. Dr. K.D. Kokate, Director Extension Education in his presentation emphasized on skill development of farmers. Dr. R.S. Patil, Director of Research presented the new varieties and recommendations released by the University this year. Shri. Subhash Khemnar, Director, ATMA and Shri. Vijay Kumar Ingale, JDA, Pune also addressed the participants. Dr. Vijay Amrutsagar, ADR, NARP, Solapur welcomed the dignitaries. Shri. Prabhakar Chandane, President, Pomegranate Growers Association, Heads of Departments, Associate Directors of Research, Scientists and Extension personnel participated in the discussions. Dr. J.D. Jadhav anchored the programme, while, Dr. B.V. Indi proposed vote of thanks.

MoU signed between MPKV and WOTR organization

October 27, 2016. A Memorandum of Understanding (MoU) on Agro Meteorology was signed between MPKV, Rahuri and WOTR organization. Vice Chancellor Dr. K.P. Viswanatha stressed the need for having a specific forecast for the preparedness of farmers. He hoped that the agrometeorology advisory will benefit large number of farmers. This needs to be extended to further blockwise advisory, he said. Mr. Chrispino Lobo, Managing





Trustee, WOTR gave an overview of MoU. He said that this type of automated agro advisory services will make the smallholder farmers climate smart. It will be implemented in Ahmednagar and Dhule districts. Dr. R. S. Patil, Director of Research said that this collaborative effort will help the farmers for weather, pest and disease and irrigation management forecast. Dr. Patil and Mr. Lobo signed the MoU for their respective organizations. Dr. S. D. Gorantiwar briefed about the MoU. Dr. P.A. Turbatmath, AD, Dr. ASCAE, Dr. A.G. Wani, Agril. Consultant, WOTR, Heads of Departments were present for the programme. Dr. R.P. Andhale proposed vote of thanks.

Students success in Avishkar-2016

October 24, 2016. The MPKV Ph.D. students of Department of Food Science and Technology achieved success in the Innovation Premier League in Avishkar-2016. The event was organized by All India Food Science and Technology Association, Mumbai and Chemistry Technology Association, Mumbai. The students Shri. Sachin Mhalaskar and Shri. Yogesh Deshmukh secured third rank in Nutraceutical and Functional Food Group Competition. They were felicitated with a cash prize of five thousand, memento and certificate.

November, 2016

Accreditation accorded to MPKV, Rahuri

November 18, 2016. The National Agricultural Education Accreditation Board (NAEAB) of Indian Council of Agricultural Research, New Delhi has granted accreditation to the Mahatma Phule Krishi Vidyapeeth, Rahuri for the period of two years. Based on the action taken report submitted by the University in response to the remarks of the Board and subsequent observations of the sectorial committees the NAEAB of ICAR in its meeting held on 26th October, 2016 has granted accreditation to MPKV, Rahuri. This was communicated by DDG (Agriculture Education), ICAR, New Delhi to Vice Chancellor, MPKV, Rahuri.

Training Programme for Gopalak organized



November 21, 2016. A one day training programme for Gopalak (cattle rearers) was organized by the University in collaboration with Zilla Parishad, Ahmednagar. In her presidential address Mrs. Manjusha Gund, President, Zilla Parishad, Ahmednagar underlined the importance of dairy enterprise in agriculture sector. She said that fodder management is a major component for profitable dairy business. Shri. Anil Kawde, Collector, Ahmednagar while guiding the farmers said that demonstrations on forage production

need to be organized in villages. Dr. K.D. Kokate, Director of Extension Education said that the area under forage crops which in at present 4 per cent need to be increased. A Forage Hub is required for this purpose, he said. Shri. Sharad Navle, Sabhapati, Agriculture and Animal Husbandry committee briefed about the training programme. Dr. B.R. Ulmek, Dean, F/A, Shri. Ravidra Binvade, CEO and Dr. Bharat Rathod, District Animal Husbandry Officer also guided the trainees. Dr. U.V. Bhoite, Head, Department of ASDS gave the introductory remarks. Dr. R.J. Desale anchored the programme.

Mahatma Phule Anniversary celebrated



November 19, 2016 Mahatma Phule Anniversary was celebrated in the University. Dr. Shivajirao Devdhe, Principal, Takli Dhokeshwar College, Dist. Ahmednagar while speaking on the life of Jyotiba Phule said that he started the programme of women education. He understood the importance of education and took efforts for educating the women. Dr. Devdhe further highlighted the values of Jyotiba in the present context. Dr.D.B.Yadav, Head, Department of Agricultural Economics in his presidential address narrated the great work of Jyotiba Phule for the downtrodden and farmers. He said that the common man called him the Mahatma. Students Shri. Pratapsingh

Chavan anchored the programme, while, Shri. Harshal Yadav proposed thanks. Dr. Mahavirsingh Chavan introduced the chief guest. Dr.M.B. Dhonde, Head, Department of Agronomy, Dr. R.S. Wagh, Student Welfare Officer, staff and students were present for the programme.

Vice Chancellor Dr. K.P. Viswanatha felicitated with Best Scientist Award



November 19, 2016. Vice Chancellor Dr. K.P. Viswanatha was felicitated with Best Scientist of the Year 2016 Award by the National Environmental Science Academy (NESA), New Delhi for his contribution to Agriculture. Dr. Viswanatha received the award during the National Conference on Food Security Issues and Environmental Challenges for Indian Agriculture in the Next Decades jointly organized by NESA and Dolphin, College of Science and Agriculture, Chandigarh at Punjab University, Chandigarh.

He worked in the capacity of Director of Research in UAS, Bengaluru and as Director of Extension Education at UAS, Raichur. He has guided 10 Ph. D. students. He has to his credit more than 100 research papers and two books. As a Principal Investigator (PI) of various projects, he has executed 12 externally funded projects and two projects as Co-PI. He served as a Vice President and Joint Secretary of the Indian Society of Arid Legumes, CAZRI,



Jodhpur; Member of the Editorial Board, Journal of Arid Legumes, Indian Society of Pulses Research and Development (ISPRD), IIPR, Kanpur and Journal of Krishi Vigyan, a publication of Society of Krishi Vigyan, PAU, Ludhiana. He is coveted with the Fellowships of Indian Society of Pulses Research and Development and Indian Society of Genetics and Plant Breeding. He has developed two varieties of Rice viz., CTH-1(Mukti), CTH-3(Bilimukti); two varieties of Horsegram viz., BGM-1, PHG-9; three varieties of Cowpea viz., KBC-2, KM-5, IT-38956-1 and 49-A variety of fodder bajra. Dr. Viswanatha has been felicitated with an International and National Awards. Thus, Vice Chancellor Dr. Viswanatha has a rich experience in education, research and extension education. Vice Chancellor Dr. Viswanatha has initiated the cleanliness campaign in the University. He has called for Clean University Green University campaign.

Dr. Kokate felicitated with Jeevan Gaurav Award



November 19, 2016. Dr. K.D. Kokate, Director of Extension Education was felicitated with Jeevan Gaurav award by Agroworld at Jalgaon for his contribution to agriculture. He was felicitated at the hands of famous poet Shri. N.D. Mahanor at the Agriculture exhibition organized by Agroworld at Jalgaon.

Dr. Kokate has contributed significantly for extension education in the country. In his capacity as DDG (Agril. Extn.), ICAR, New Delhi Dr. Kokate has planned and implemented innovative reforms in KVK system. During his tenure the Zonal Project Directorates have been upgraded to Agriculture Technology Application Research Institutes and their numbers has also increased from eight to eleven.

Farmers Rally organized



November 11, 2016. A farmers rally was organized by MPKV, Rahuri in collaboration with Department of Agriculture and ATMA, Ahmednagar on the farm of progressive farmer Shri. Bhasaheb Yeole in Rahuri. Dr. K.D. Kokate, Director of Extension Education in his presidential address said that the University's Central Sugarcane Research Station, Padegaon has released many high yielding varieties and production technologies of sugarcane. The University released Phule-265 variety of sugarcane is contributing to 35 percent sugarcane area of the state. Dr. R.S. Patil, Director of Research, emphasized the need for adopting new varieties and technologies developed by the University. Shri. Bhasaheb Barhate, District Superintendent Agriculture Officer, Ahmednagar, Shri. Sambhajirao Gaikwad, Deputy Director, ATMA and Prof. J.B. Shinde also guided the farmers. Shri. Yeole shared his farm experiences. The dignitaries and farmers visited his sugarcane nursery. Farmers in large number participated in the farmers rally.

Students success in Indradhanusha -2016

November 19, 2016. The students of College of Agriculture, Kolhapur achieved success in the XIVth Maharashtra State Inter University Cultural Youth Festival (Indradhanusha-2016) organized at Dr. Babasaheb Ambedkar Marathwada Vidyapeeth, Aurangabad. Similarly, the students Shri. Shatanand Lombte, Diksha Gurav and Puja Duduskar bagged the second prize in the Inter University Elocution competition organized at MPKV, Rahuri. Associate Dean Dr. G. G. Khot, Prof. Laxman Aswale and Dr. Sangram Dhumal guided the students.

December, 2016

Retrospection 2016 programme organized



December 31, 2016. Retrospection 2016, a programme to review the various activities of the University during the year 2016 was organized in the University. Vice Chancellor Dr. K.P. Viswanatha presided over the function. The Chief Guest Dr. M.C. Varshneya, Vice Chancellor, Kamdhenu University, Gandhinagar and President, IAUA, New Delhi in his address lauded the innovative activity of the University and hoped that similar should be organized by other SAUs. The agriculture graduates need to be attracted



to the agriculture profession, he said. Shri. B. G. Kolse Patil, Former Justice, High Court, Mumbai in his address stressed the need for solutions to farmers problems. He expected that agriculture marketing need to be strengthened for better prices to farmers. Vice Chancellor Dr. K.P. Viswanatha in his presidential address highlighted the significant contribution of the University in agriculture production. He further stated his vision for taking the University to greater height. 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. B.R. Ulmek, Dean (F/A), Dr. R.S. Patil, Director of Research, Shri. Ganesh Ghorpade, Registrar, Shri. B.G. Nirmal, Comptroller and Shri Milind Dhokhe, University Engineer presented the education, research, administration, financial and development activities, respectively. The popular University publication Krishi Darshani-2017 was released during the function. 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. A.V. Solanke anchored the programme, while, Dr. P. B. Kharde proposed vote of thanks.

National Workshop of AICRP on Soil Test Crop Response



December 3-5, 2016. A National Workshop of All India Coordinated Research Project on Soil Test Crop Response (STCR) was organized by the Mahatma Phule Krishi Vidyapeeth, Rahuri in collaboration with the ICAR-Indian Institute of Soil Science, Bhopal and Rahuri Chapter of Indian Society of Soil Science. Dr K.P. Viswanatha, Vice Chancellor, MPKV, Rahuri in his presidential address emphasized on soil test based targeted yield approach of plant nutrient management. He urged for wider adoption of STCR technology. Dr. S.K. Chaudhari, ADG (SWM) Chief Guest, emphasized on the crucial importance of soil test based nutrient management and targeted yield approach. He lauded the STCR team for their contribution and effort in adoption of STCR technology in the Soil Health Mission. He also mentioned the importance of GPS and GIS based soil fertility mapping carried out by STCR. The Progress Report of the AICRP-STCR and other publications were released on this occasion. Dr. A.K. Patra, Director, ICAR-Indian Institute of Soil Science and Guest of Honour emphasized the importance of adoption of STCR technology. Dr Patra highlighted the developments at ICAR-Indian Institute of Soil Science in the field of rapid soil testing and automation to meet the challenges of soil-health mission and adoption of STCR technology in Mridaparikshak.

Dr Pradip Dey, Project Coordinator, STCR focused on the most critical requirements for improving crop productivity and maintaining soil health in India by applying prescribed quantities of organic manures and fertilizers based on resource endowment of the farmers. Dr. R.S. Patil, Director of Research offered welcome and introductory remarks. Dr. B.D. Bhakre anchored the programme, while, Dr. Kadlag proposed thanks. A Round Table Conference on “STCR at Crossroad: Improving Productivity and Net Returns based on Resource Endowment of Farmers without compromising Soil Health and Environment Quality” was also organized wherein different experts, panelists provided suggestions for future course of action. During the workshop research achievements and future technical programme of AICRP-STCR project were reviewed in different technical sessions and future course of action for 2017-20 were formulated. Dr. B.R. Ulmek, Dean, F/A, Dr. A.L. Pharande, AD, AC, Pune, Dr. Ramchandra Nazirkar, Head, Department of SS & AC and more than 120 delegates from ICAR institutions, SAUs and industry representatives as well as progressive farmers participated in the programme.

Vice Chancellor felicitated with Ch. Dimag Singh Award



December 10, 2016. Vice Chancellor Dr. K.P. Viswanatha was felicitated with Ch. Dimag Singh Award for his outstanding contribution in the

field of Plant Breeding. He was felicitated on the occasion of National Conference on Innovative and Current Advances in Agriculture and Allied Sciences (ICAAAS-2016) held at Prof. Jayashankar Telangana State Agricultural University, Hyderabad. The award was conferred to him by Dr. S.P. Singh, Chief Managing Director and Dr. S.S. Gaurav, Secretary, Astha Foundation. Dr. K.P. Viswanatha delivered the inaugural address and released various publications during the programme.

Vice Chancellor's visit to Seed Village programme of Rabi Sorghum



December 18, 2016. Vice Chancellor Dr. K.P. Viswanatha visited Narayanwadi, Tal. Newasa, Dist. Ahmednagar where the Seed Village programme is being implemented by the Sorghum Improvement Project of MPKV, Rahuri in collaboration with ICRISAT, Hyderabad, Department of Agriculture, MAHABEEJ and Seed Certification Department under HOPE project. The University developed Phule Vasudha variety is being taken on 350 ha. area in the village for seed production. Vice Chancellor Dr. Viswanatha, while guiding the farmers said that the village Narayanwadi can now be called Vasudhawadi village since this village will be able to provide Phule Vasudha seed to all the state. Shri. Balasaheb Murkute, Hon'ble MLA applauded the efforts of the University

and Department and hoped that this will be model seed village programme for the state. Dr.K.D. Kokate, Director, Extension Education said that the University is implementing the concept of One Village One Variety which will boost the seed production of high yielding varieties. Dr.R.S. Patil, Director of Research informed that the University is implementing this concept in Ahmednagar, Pune, Solapur and Jalgaon districts. Dr. U.D. Chavan anchored the programme, while, Shri. Sudhir Shinde proposed thanks. Shri. Bhausaheb Barhate, PD, ATMA, Shri. Pandit Lonare, DSAO, Shri. Daund of MAHABEEJ, Sorghum Breeder Dr. S. R. Gadakh and farmers were present on this occasion.

Farmers Rally organized under RKVY Farmer FIRST in Nandurbar district



December 19, 2016. The Regional Extension Centre, College of Agriculture, Dhule organized a Farmers Rally and Agricultural Exhibition at Baldane village in Nandurbar district under Rastriya Krushi Vikas Yojana-Farmer FIRST project under the chairmanship of the Dr. K. D. Kokate, Director of Extension Education. In his address, Dr. Kokate emphasized on the increase in adoption of improved technologies which are demonstrated on cluster basis through Farmer FIRST Project. The use of bio-fertilizers, bio-pesticides must be adopted in an integrated manner. Deterioration of soil health is becoming a measure threat

in increasing crop productivity which may be corrected through knowing the soil health. On the occasion of programme, an exhibition of live samples of different varieties of pearl millet, cotton, maize, sweet corn, chilli and informative charts was organized. On this occasion lectures on Soil health management, Women empowerment through SHGs, Pradhan Mantri Fasal Bima Yojana and Dairy management were organized. Dr. Y.G. Fulpagare, Associate Dean, College of Agriculture, Dhule, Dr. M. C. Ahire, Professor of Agril. Extn., Dr. M.S.Mahajan, Extension Agronomist (REC), Mrs. Ragini Patil, Sarpanch of Baladane, Shri. Pradip Late, Deputy Project Director, ATMA, Shri. Narendra Mahale, Taluka Agriculture Officer and REC scientists Prof. S.B.Desale, Prof. A.K.Kolage and Prof. B.M.Mhaske were present on this occasion. Dr. M.S.Mahajan, gave the introductory remarks. Prof. A.K.Kolage anchored the programme.

Policy Advocacy Dissemination (PAD) Workshop of NIAP project organized



December 22, 2016. Dr. K. D. Kokate, Director of Extension Education inaugurated the one day Policy Advocacy Dissemination Workshop of the project viz., Regional Crop Planning for Improving Resource Use Efficiency and Sustainability at MPKV, Rahuri. In his address, he said that considering the growth rate of agriculture, the policy support regarding market, electricity supply and price situation is essential to

farmers for sustainability. He further said that the integrated farming system gives continuous and sure income to the farmers but from sustainability point of view, the available natural resources should be used optimally. Dr. R. S. Patil, Director of Research said that sustainable crop models are very much useful for wellbeing of farmers in the state, but most of times, the plans are not accepted by them. Dr. Rajni Jain, Principle Scientist, NIAP, New Delhi presented the methodological aspects of the project and Dr. S. S. Raju, Principle Scientist from Visakhapattanam presented the overview of the project. Dr. D. B. Yadav, Principle Investigator and Head, Department of Agricultural Economics presented and elaborated in detail the scenario of Maharashtra's Agriculture. Dr. D. D. Pawar, Head, Department of Irrigation Water Management made a presentation on 'Crop planning as per available natural resources'. The achievements and outcomes of the project were presented by Dr. A. V. Gavali, Co-Principle Investigator of this project, which was appreciated by the NIAP, New Delhi. Dr. B. R. Ulmek, Dean, F/A, Mr. Ganesh Ghorpade, Registrar, Heads of Departments, scientists and officers of the University were present for the workshop. Dr. V. G. Pokharkar anchored the programme, while, Dr. B. V. Pagire offered the vote of thanks.

Appointment

December 14, 2016. Mr. Ganesh Ghorpade has been appointed as the Registrar of MPKV, Rahuri. He has done his graduation from College of Agriculture, Pune and post graduation from MPKV, Rahuri. He was selected through Agriculture MPSC in State Government services. Previously he has done commendable service for the farmers in the State Department of Agriculture. He took the new charge from Mrs. Pallavi Nirmal who also happens to be the

alumni of this University. A welcome programme for Mr. Ghorpade and farewell to Mrs. Nirmal was organized on this occasion. Vice Chancellor Dr. K. P. Viswanatha congratulated both the authorities during the programme.

Patent awarded to MPKV Ph.D. student



December 8-9, 2016. The Ph.D. student Dr. Chaudhari Dhanraj Madhukar of Department of Animal Husbandry and Dairy Science, MPKV, Rahuri has been awarded the patent for his Ph.D. research work by Govt. of India. Dr. Chaudhari during his Ph.D. research work has invented the technology of whey utilization in preparation of alcoholic beverage. It helps to enhance the net profit of milk processors who can get the assured monetary benefit with safe guarding environment. Dr. Chaudhari was guided by his Research Guide Dr. J.N. Khedkar, Ex Professor and member Dr. R.J. Desale during his Ph.D. studies. Vice Chancellor Dr. K.P. Viswanatha and Dr. U.V. Bhoite, Head, Department of ASDS congratulated Dr. Chaudhari for his achievement.

January, 2017

Birth Anniversary function of Dr. Annasaheb Shinde and Renaming function of Dr. ASCAE

January 21, 2017. The Birth Anniversary function of Dr. Annasaheb Shinde and Renaming



function of Dr. Annasaheb Shinde College of Agricultural Engineering was enthusiastically celebrated at MPKV, Rahuri. In a grand function organized at Dr. Annasaheb Shinde Auditorium of the University Vice Chancellor Dr. K. P. Viswanatha in his presidential address highlighted the valuable contribution of late Dr. Annasaheb Shinde in bringing the Green Revolution in the country. He paid tribute to the great soul. He said that the Green Revolution brought food security to the nation. Late Dr. Shinde had a great vision in the field of agriculture, dairy, irrigation management and farm mechanization. He had a versatile personality and the University is proud to name the college after him. The Chief Guest Shri. Ramchandra Bhogle, President, Applied Innovation and Technology Group, Aurangabad shared his views on Dr. Annasaheb Shinde and said that his efforts were instrumental in bringing a sea change in rural areas. He brought new breeds of cattle and himself practised dairy enterprise successfully. He had stallfed goats, plantation of new ber varieties, improved implements on his farm, he said. Shri. Dineshchandra Hulwale, Press Reporter, Mumbai in his address put forth his views on the contribution of Dr. Annasaheb Shinde. He said that Annasaheb participated in the freedom movement of the nation. Dr. P. A. Turbatmath, Associate Dean, Dr. ASCAE welcomed the guests and introduced them to the audience. Dr. S. D. Gorantiwar proposed



vote of thanks. Dr. S. A. Kadam anchored the programme. The Dr. Annasaheb Shinde College of Agricultural Engineering was renamed as Dr. Annasaheb Shinde College of Agricultural Engineering and Technology during the function.

Rabi crop technology demonstrations organized



January 24, 2017. Rabi crop technology demonstrations were organized for the benefit of farmers and State Department of Agriculture at the Sorghum Project of the University. Shri. Anil Kawade, District Collector, Ahmednagar, Dr. K. M. Nagargoje, Director General, MCAER, Pune, Dr. K. E. Lawande, Former, DBSKKV, Dapoli, Dr. J. V. Gowd, Former Vice Chancellor, UAS, Dharwad, Dr. D.R. Bapat, Former DOR, MPKV, Rahuri, Dr. R. Parmeshwarappa, Former Dean, AC, Vijapur, Shri Vijaykumar Ingale, JDA, Pune, Dr. R. S. Patil, Director of Research were present for the programme. Vice Chancellor Dr. K. P. Viswanatha presided over the Issue No: 31 January, 2017 function. In his presidential address Dr. Viswanatha stressed the need for crop diversification. Considering the Government of India mission for doubling the farmers income, he said that integrated cropping system is very much needed. Farmers income will be doubled through horticulture, dairy and value addition of crops. At the same time we need to adopt the low cost of production by way of vermicompost,



organic manure. He said that youth need to be attracted to agriculture. They should be developed as agriculture entrepreneur in the field of seed production, biofertilizers, nursery, processing etc. District Collector Shri. Anil Kawade in his speech said that considering the global competition our farmers need to maintain the quality and purity of farm produce. The Farmer Producer Organization is a good initiative of the Government for the benefit of farmers, he said. Dr. Nagargoje deliberated on the challenges in agriculture education, research and extension. Research and development of small implements is required for mechanization of small holders, he said. Dr. Lawande emphasized on women empowerment and the need for their participation in decision making in agriculture. Dr. Gowd lauded the contribution of MPKV, Rahuri in various sectors of agriculture. The rabi crop technology demonstrations and that too of rabi sorghum are worth mentioning which will certainly benefit the farmers. Dr. Bapat stressed farmers awareness for seed production of various crops which will generate additional income. Dr. Parmeshwarappa expressed satisfaction of the event. Shri. Ingale, Shri. Barhate, PD, ATMA, Shri. Lonare, DSAO and Shri. Shinde of MAHABEEJ also guided the farmers. Dr. R. S. Patil gave the introductory remarks. Dr. S. R. Gadakh, Chief Scientist, Sorghum Improvement Project welcomed the dignitaries. Dr. P. N. Rasal, Head, Department of Botany expressed thanks. Dr. B. D. Bhakre anchored

the programme. More than five thousand farmers visited the crop demonstrations.

Republic Day celebrated



January 26, 2017. 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 apart from the awards, the University has secured two patents in research, released nine crop varieties, three improved implements and sixty nine recommendations for the farmers last year. The Farmers FIRST programme is also implemented for effective transfer of technology. Directors Dr. K. D. Kokate, Dr. B. R. Ulmek, Dr. R. S. Patil, Associate Deans Dr. P. A. Turbatmath, Dr. D. B. Yadav, Registrar Mr. G. K. Ghorpade, Comptroller Mr. B. G. Nirmal, University Engineer Mr. 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 and T on this day.

February, 2017

Recognition Award to MPKV, Rahuri



February 11, 2017. Dr. K. P. Viswanatha, Vice Chancellor, Mahatma Phule Krishi Vidyapeeth, Rahuri along with Dr. Y. S. Nerkar, Ex. Vice Chancellor and Dr. M. P. Deshmukh, Soybean Breeder received the award on behalf of MPKV, Rahuri for development of Land Mark groundnut variety Phule Pragati (JL 24) at the auspicious hands of Dr. R. S. Paroda, former Secretary, DARE and Director General, ICAR, Govt. of India and Padmashri, Dr. G. S. Khus, Ex Head of Division of Plant Breeding Genetics and Biochemistry, International Rice Research Institute (IRRI) in the Philippines (Recipient of World Food Prize) at New Delhi during the Platinum Jubilee Celebration of Indian Society of Genetics and Plant Breeding on 11th Feb. 2017.

Principle Secretary (Agriculture) visited MPKV





February 9, 2017. The Principle Secretary (Agriculture), Govt. of Maharashtra Mr. Bijay Kumar visited the University. Dr. Ram Kharche, Vice Chairman, MCAER, Pune, Mr. Vikas Deshmukh, Commissioner, Agriculture, M. S., Directors, University Officers were present for the programme organized on this occasion. Vice Chancellor Dr. K. P. Viswanatha presided over the function. In his presentation Mr. Bijay Kumar guided on various issues of agriculture and particularly doubling of farmers income. He touched the issues like increasing the scale of finance by banks, minimum support price, investment for infrastructure development, strengthening the agriculture education system and transfer of technology. Regarding farm mechanization, he underlined the utility of machines for canopy management, scientific banana ripening system, designing of cold chain for farm produce and proper certification of farm machinery and implements. Dr. Kharche in his address delebrated on post harvest management, handling and sustainable agriculture. Research on agriculture credit, functioning of Farmer Producer Companies need to be done by the students. He assured the recruitment of scientists in SAUs. Mr. Vikas Deshmukh addressed the three important principles viz., soil moisture security, more crop per drop of water and value chain management. In his presidential address Vice Chancellor Dr. K. P. Viswanatha said that the University will shortly

be completing the fifty years of its establishment. Thus, we will be focusing on the impact analysis of University crop released varieties and technologies. He cited the contribution of MPKV particularly in sugarcane, pomegranate, chickpea, rabi sorghum in economic terms. He briefed about the Swachha Bharat Abhiyan being implemented in the University. Dr. K. D. Kokate, Director, Extension Education gave the introductory remarks and presented the prominent extension education activities. Dr. B. R. Ulmek and Dr. R. S. Patil gave presentation of educational and research accomplishments of the University, respectively. Registrar Mr. Ganesh Ghorpade expressed thanks. Dr. A. V. Solanke anchored the programme. The dignitaries visited the crop technology demonstrations.

International Conference of Agriculture Economics organized



February 10-11, 2017. The second International Conference of Agriculture Economics was organized at MPKV, Rahuri. Dr. Ram Kharche, Vice Chairman, MCAER, Pune was the chief guest for the inaugural function. Mrs. Jenny Huntar, Counsellor, Farmers Suicide, USA was the Guest of Honor. Vice Chancellor Dr. K. P. Viswanatha presided over the function. Dr. Ram Kharche in his chief guest address underlined the scope of agriculture economics and said that we need to join hands with each other for changing the mindset of people. He elaborated on farm credit and identifying

issues related to farmers especially the time, resources and manpower. Vice Chancellor Dr. Viswanatha in his presidential speech said that the Agriculture Economics scientists have a great responsibility due to complex market. Monsoon and market are important aspects from the farmers point of view. We need to guide the farmers on e marketing and innovations for eliminating the middlemen so that farmers get a good price for their produce, he said. Problems like high procurement and transaction costs need to be addressed. Market accessibility for small farmers need to be ensured along with market led extension. Mrs. Jenny Hunter in her address said that many families have been severely affected by farmers suicide. The magnitude of suicide problem need to be addressed effectively. Prevention, counselling and confidence is required for this purpose, she said. Dr. Prakash Mahindre, President, MSAE gave the introductory remarks. Dr. D. B. Yadav, Head, Department of Agriculture Economics and Organizing Chairman welcomed the guests. Publications on Abstracts and Souvenir were released on this occasion. Dr. R. G. Patil, Former Head, Department of Agriculture Economics was awarded the Lifetime Achievement Award during the function. Dr. Abhijit Dharmadhikari presented a lead paper on Impact of Demonitization. Dr. B. D. Bhakre anchored the programme, while, Dr. V. G. Pokharkar expressed thanks. Delegates and scientists participated in the Conference in large number.

Chattrapati Shivaji Maharaj Jayanti celebrated

February 19, 2017. The Birth Anniversary of Chattrapati Shivaji Maharaj was enthusiastically celebrated in the University. On this occasion Shri. Hassan Sayyad delivered a lecture on life of Shivaji and his multidimensional personality.



Vice Chancellor Dr. K. P. Viswanatha presided over the function. Shri. Sayyad said that women were given a due respect in Shivrajya and sarvadharm samabhav was followed by the great King. Youth should go through the literature of King Shivaji and follow his ideals. Vice Chancellor Dr. K. P. Viswanatha in his presidential address narrated the measures taken by King Shivaji for the well being of farmers and agriculture. Free seed and food were given to the needy during drought period and also focussed on tree plantation during his regime. King Shivaji had a great vision and he fought for attaining swaraj, he said. Dr. R. S. Patil, Director of Research gave the introductory remarks and introduced the chief guest. Student Tejas More anchored the programme, while, Prof. S. V. Patil, Student Welfare Officer expressed thanks. The dignitaries welcomed the shivjyot brought by the students of Dr ASCAE and T from Shivneri fort. Staff and students were present for the function.

March, 2017

MPKV bestowed with Dalimb Ratna Award

March 17, 2017. MPKV, Rahuri was bestowed with the Dalimb Ratna Award for its contribution in pomegranate research. Vice Chancellor Dr. K.P. Viswanatha received the Award at the hands of Former Union Minister of Agriculture Shri. Sharad Pawar in the State Level





Conference of Maharashtra Pomegranate Producer Association organized in Pune. The University has done commendable work on pomegranate by releasing varieties like Bhagwa, Super Bhagwa and several technology recommendations. A large area of pomegranate is covered under these varieties in the country. The University scientists Dr. K.S. Raghuvanshi and Dr. S.R. Kulkarni were also felicitated with the awards.

Visit of the Committee of Central Zone Monitoring and Review Team of ICAR to MPKV, Rahuri



March 4-7, 2017. The Committee of Central Zone Monitoring and Review Team of ICAR under the chairmanship of Dr. R. C. Maheshwari, Former Vice Chancellor, SKDAU, Dantiwada, Gujarat visited College of Agriculture, Pune and MPKV, Rahuri. Dr. P. S. Pandey, ADG (EP & HS), ICAR, New Delhi, Member Secretary and Mr. Radhey Shyam, Comptroller, IVRI, Izatnagar was member of the

committee. A meeting was organized in presence of Vice Chancellor Dr. K. P. Viswanatha and University Directors and officers. At the outset the Chairman Dr. R. C. Maheshwari welcomed all the officers for the meeting. He appreciated the Impact Assessment Report (2012-13 to 2015-16) of the University. In his remarks, he said that the University needs to submit proposals for establishment of new colleges. Dr. B. R. Ulmek, Dean, F/A expressed the fact that preparation of the document was a good exercise for the University. But there is a need to prioritize the important areas. He assured that a Redressal Committee would be set up at each college as pointed out by the Committee for addressing the problems of the students. Further, the Placement Cell of the colleges would be strengthened. Dr. R. S. Patil, Director of Research briefed about the various ICAR schemes run by the University and vacancies in these schemes. He put forth the need for ICAR funds for strengthening Seed project of the University and establishment of Sub Centre for seed in the University. Dr. K. D. Kokate, Director, Extension Education appraised of KVKs in the University jurisdiction. He said that quality manpower for enabling environment is very much needed.

Vice Chancellor Dr. K. P. Viswanatha thanked the committee for its critical observations, sharing of experiences and their advise on tackling the problems. He assured the committee that the University will implement the suggestions made by the committee. Dr. P. S. Pandey, Member Secretary in his remarks said that funds are available from the Council for waste management and automation. A separate Portal devoted for students will be launched by the ICAR soon. He underlined the importance of capacity building and said that adequate care towards this component has been taken in the Vth Deans Committee report. The meeting ended with a vote of thanks by Dr. P. B. Kharde, Nodal Officer for ICAR,

MPKV, Rahuri. The committee inaugurated the ICAR Nodal Cell of the University. They visited the University Library, Examination Hall, Laboratories, Boys and Girls Hostels, Swimming Pool, Gymkhana and made various suggestions. They also interacted with the students and the staff. Associate Deans of all constituent colleges made their presentations. During the committee visit to Pune Dr. A. L. Pharande, Associate Dean made a presentation of College of Agriculture, Pune. Dr. S. D. Masalkar, Principal briefed about the activities of College of Horticulture, Pune.

Action Plan Workshop of KVKs



March 15-16, 2017. An Action Plan Workshop of KVKs from the jurisdiction of the University was organized at CC, Rahuri. In his presidential address Dr. K. D. Kokate, Director, Extension Education said that the SAUs are engaged in backstopping of KVKs. He deliberated on important issues like technologies for reducing cost of production, water conservation, linking of Farmer Producer Companies to marketing, doubling farmers income, appropriate agro advisory and preparedness for kharif season. He suggested for planning of new crop varieties and technologies in OFTs and FLDs. The ICAR Seed Hub Project is a good opportunity for KVKs to increase seed production. Dr. K. Dattatri, Principle Scientist, ATARI, Hyderabad emphasized on meticulous planning of OFTs and FLDs by KVKs. He guided on KVK portal, training programmes, monitoring

mechanism, value addition, integrated farming system and impact analysis. Dr. P. B. Kharde, Officer Incharge, Communication Centre welcomed the dignitaries and participants for the workshop. Dr. G. K. Waman expressed thanks, while, Dr. B. A. Deshmukh anchored the programme. Dr. P. A. Turbatmath, Associate Dean, DrASCAE and T, Heads of Departments, scientists, Programme Co-ordinators, Subject Matter Specialists were present for the workshop. The KVKs action plan was formulated in consultation with the University experts.

Training programmes organized under ICAR FFP



March 24 and 31, 2017. Two Orientation training programmes were organized at MPKV, Rahuri for the farmers under ICAR Farmer FIRST programme. While guiding the farmers of Chinchvhihre and Kangar villages, Vice Chancellor Dr. K. P. Viswanatha emphasized on the adoption of Integrated Farming System module for more net returns to the farmers. He called for making compost out of farm waste which in turn would save money on chemical fertilizers. He hoped for higher adoption of University technologies for more crop production. Dr. R. S. Patil, Director of Research in his guidance briefed about the latest University crop varieties and technology recommendations. He further hoped that the project would come up with increasing livelihood security of the farmers. Dr. P. B. Kharde, PI, ICAR FFP in his introductory remarks briefed about the objectives and activities of the project.



Dr. B. A. Deshmukh, Co-PI anchored the programme, while, Dr. S. S. Sadaphal, Co-PI expressed thanks. The participant farmers acquired skill of scientific collection of soil sample for soil testing. Dr. V. D. Shende, ADR and scientists Dr. B. D. Bhakre, Dr. M. N. Yadav, Dr. D. B. Pawar and Shri. Raibhan Gaikwad, Agriculture Officer guided the farmers during the training programme. More than fifty farmers and farm women participated in each of the training programme.

Collaborative Training Programme organized with EEI, Anand



March 1-3, 2017. A collaborative training programme on Leadership Development and Team Building Skills for Extension Functionary was organized by MPKV, Rahuri in collaboration with the Extension Education Institute, Anand (Gujarat). Three Vice Chancellors from SAUs of Gujarat viz., Dr. N. C. Patel, AAU, Anand, Dr. A. A. Patel, S KNagar and Dr. C. J. Dangaria, Navsari graced the inaugural function. Dr. N. C. Patel, Vice Chancellor, AAU, Anand presided over the function. In his address Dr. Patel focussed on the importance of team building for achieving a common target. The concept need to be made applicable by not only the scientists but by the employees of an organization, he said. Vice Chancellor Dr. A. A. Patel in his chief guest address emphasized on leadership development as well as personality development. Youth need to be trained on these aspects, he said. In his chief guest address Vice Chancellor Dr. C.

J. Dangaria lauded the collaborative efforts for organizing training programmes for benefit of staff and students. Dr. K. D. Kokate, Director, Extension Education gave the introductory remarks and welcomed the dignitaries. Dr. B. R. Ulmek, Dean, F/A also addressed the trainees. Dr. C. P. Desai, Director, EEI, Anand gave an overview of the training programme. Dr. S. B. Bhange, I/C Head, Department of Extension Education expressed thanks. Dr. P. B. Kharde anchored the programme. More than fifty staff and students participated in the three day training programme. The dignitaries visited the various research projects of the University.

6. Human Resource

6.1 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. Eknathrao Khadse	30 Oct., 2014 to June 2016
		Hon'ble Shri. Pandurangji Fundkar	8 July, 2016 to till date
3	The Vice Chancellor	Dr. K. P. Viswanatha	31 December, 2015 to till date

6.2 Executive Council Member list (1st April, 2016 to 31st March, 2017)

Sr. No.	Category	Hon'ble Member	Address	Period
1	Ex-officio Chairman	Vice Chancellor	Mahatma Phule Krishi Vidyapeeth, Rahuri	--
2	Ex-officio Member	Director of Agriculture (Input and Quality Control) nominated by Agricultural Commissioner, Govt. of Maharashtra	Commissionerate of Agril., Central Building, Pune-411001.	--
3	Ex-officio Member	Regional Joint Director of Animal Husbandry nominated by Commissioner of Animal Husbandry	Veterinary Dispensary, Near Ashok Stambha, Nasik.	--
4	Ex-officio Member	Director of Horticulture	Near Superintendent of Agril officer of Maharashtra State office, Narvir Tanaji Road, Shivajinagar, Pune-5	--
5	Ex-officio Member	Chief Conservator of Forest (Regional)	Old Mumbai-Agra Highway, Tryambak Naka, Opp. To Adivasi Vikas Bhavan, Nasik-422002	--
6	Member (Nominated by V.C.)	Director of Extension Education	Mahatma Phule Krishi Vidyapeeth, Rahuri	23/07/2015 to 22/07/2017
7	Member (Nominated by V.C.)	Dean (Agril.)	Mahatma Phule Krishi Vidyapeeth, Rahuri	23/07/2015 to 22/07/2017
				01/09/2017 to 31/08/2019
8	Member (Agriculture Scientist)	Dr. S. B. Dandin	H.No.449, Nisarga, Ramtirthanagar, Belgaum-590016	22/5/2013 to 21/05/2016



9	Member (Progressive Farmers 05)	Shir Bhausaheb Wakchaure	Sai Arpan Banglow, Near Sai Shraddha Housing Society, Opp. To Saibaba Bhakt Nivas, At.Po. Shirdi, Tal-Rahata, Dist-Ahmednagar	04/09/2014 to 03/09/2017
10		Shri.Prakash Shamrao Patil	Chairman, Cangress (I), Tal-Malshiras, Akluj, Dist-Solapur	22/08/2014 to 21/08/2017
11		Shri. Tushar Balasaheb Pawar	At. Po. Belwade Haveli, Tal-Karad, Dist-Satara.	30/08/2014 to 29/07/2017
12		Vacant Post	--	--
13		Vacant Post	--	--
14	Member (ICAR Nominated) (One)	Dr. S. D. Sawant	Director, National Research Station on Grapes, Solapur Raod, Pune 412307	01/01/2014 to 31/12/2016
15	Member (ICAR Nominated) (One)	Dr. K. V. Prasad	Director, ICAR- Directorate of Floriculture Research, College of Agriculture Campus Pune	15/03/2017 to 14/03/2019
16	Agro Industrialist (One)	Adv.Shri. Krishnaji Dashrath Yadav	At.Po.Indapur, Dist-Pune	04/09/2014 to 03/09/2017
17	Member (Member Maharashtra Legislative Assembly -03)	Hon. MLA, Shri. Shivajirao Kardile	At.Po. Burhanagar, Tal. and Dist- Ahmednagar	From 21/12/2015 to till Member of Legislative Assembly
18		Hon. MLA, Shri. Bhausaheb Malhari Kamble	Gondhawani, Ward No.01, Shrirampur, Dist- Ahmednagar	From 21/12/2015 to till Member of Legislative Assembly
19		Hon. MLA, Shri. Rahul Jagtap	At.Po.Pimpalgaon Pisa, Tal-Shrigonda, Dist-Ahmednagar	From 21/12/2015 to till Member of Legislative Assembly



20	Member (Member Maharashtra Legislative Council-02)	Hon. MLC, Shri. Sudhir Bhaksar Tambe	Galli No.01, Indirangar, Tal-Sangamner	14/12/2010 to 05/12/2016
21		Hon. MLC, Shri. Prakash Gajbhiye	Sai Prabhu Apartment, Ravi Nagar Chawk, Nagpur-440010.	05/10/2015 to 06/06/2020
22	Member (Chairman of Agril. Committee of ZP) (Two)	Vacant Post	--	--
23		Vacant Post	--	--
24	Ex-officio Member Secretary	Registrar	Mahatma Phule Krishi Vidyapeeth, Rahuri	--
25	Ex-officio Member	Regional Dairy Development Officer nominated by Dairy Development Commissioner, Govt. of Maharashtra	Nasik Division, Campus of Govt. Dairy Scheme, Tryambak Raod, Nasik-422002	--
26	Ex-officio Member	Regional Dy. Director of Fisheries, Nasik nominated by Fisheries Commissioner, Govt. of Maharashtra	Old Govt. Ashwin Barrel No.13, Near Divisional Comminsior Office, Nasik Road-1, Nasik	--
27	Invitee	Comptroller	Mahatma Phule Krishi Vidyapeeth, Rahuri	--

6.3 Academic Council Members (1st April, 2016 to 31st March, 2017)

Sr. No.	Category	Hon. Members Name / Designation	Address
1	Ex-officio Chairman	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 Insturction	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 & T, 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 Agri. Botany	Mahatma Phule Krishi Vidyapeeth, Rahuri
18	Ex-officio Member	Head, Department of Soil Sci. and 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 and 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 and Power, Mech.Engg., Physics,	Mahatma Phule Krishi Vidyapeeth, Rahuri
30	Ex-officio Member	Head, Department of Irrigation and Drainage Engg.	Mahatma Phule Krishi Vidyapeeth, Rahuri
31	Ex-officio Member	Head, Dept. of Soil and 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 Structure, Rural Elect., Civil and 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	Dr. A. A. Atre	Asso. Prof. Soil and Water Conservation Engg., Dr.ASCAE, MPKV, Rahuri 1/11/2013 to 31/10/2016 (MTG-2/(AC)/725/of 2016, Dt. 17/12/2016)
39	Ex-officio Member	Student Welfare Officer	Mahatma Phule Krishi Vidyapeeth, Rahuri
40	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)

41	Invitee	Associate Director of Research	NARP, Sub-Montane Zone, Shenda Park, Kolhapur
42	Invitee	Associate Director of Research	NARP, Plain Zone, Ganeshkhind, Pune
43	Invitee	Associate Director of Research	NARP, Western Ghat Zone, Igatpuri, Dist. Nashik
44	Invitee	Associate Director of Research	NARP, Scarcity Zone, Raviwar peth, Solapur



Invitee Member (As per decision of AC (95) held on 14/02/11)			
45	Invitee	Principal	College of Horticulture, Pune
Invitee Member (As per decision of AC (98) held on 14/02/13)			
46	Invitee	Associate Director of Research	Office of the Directorate of Research, MPKV, Rahuri
Co-opt Members (As per subject no. 9 of AC held on 15/11/2013)			
47	Co-opted 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 (MTG-2/(AC)/678/of 2016, Dt. 19/8/2016)
48	Co-opted 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 (MTG-2/(AC)/678/of 2016, Dt. 19/8/2016)
49	Co-opted member	Dr. K. V. Prasad (Director, ICAR- Directorate of Floriculture Research)	College of Agriculture, Pune Campus 19/8/2016 to 18/8/2018 (MTG-2/(AC)/678 /of 2016, Dt. 19/8/2016)
50	Co-opted member	Dr. K. E. Lawande (Former Vice Chancellor, Dr. BSKKV, Dapoli)	C7, Nisarg Phase II, KasbateVasti, Wakad, Pune 30/8/2016 to 29/8/2018 (MTG-2/(AC)/685/of 2016, Dt. 30/8/2016)
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 Manegement, 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

6.4 Academic Officers

Sr. No.	Designation of post	Name of Officer	Pay Scale (Rs.)	Period	
				From	To
1.	Dean, Faculty of Agril. and Director of Instruction	Dr.B.R.Ulmek Holding additional charge	37400-67000 +10000 AGP	01.04.2016	31.03.2017
2.	Director of Research	Dr.R.S.Patil Holding additional charge	37400-67000 +12000 AGP	01.04.2016	31.03.2017
3.	Director of Extension Education	Dr.K.D.Kokate	37400-67000 +10000 AGP	01.04.2016	31.03.2017
4.	Associate Dean (PGI)	Dr.B.R.Ulmek	37400-67000 +10000 AGP	01.04.2016	31.03.2017
5.	Associate Dean, Agril. Engineering	Dr.P.A.Turbatmat Holding additional charge	37400-67000 +10000 AGP	01.04.2016	31.03.2017
6.	Associate Dean (LAE)	Dr.S.G.Borkar Holding additional charge	37400-67000 +10000 AGP	01.04.2016	31.03.2017
7.	Associate Dean, College of Agril., Dhule	Dr.P.N.Rasal Holding additional charge	37400-67000 +10000 AGP	01.04.2016	31.03.2017
8.	Associate Dean, College of Agril., Pune	Dr.J.V.Patil Holding additional charge	37400-67000 +10000 AGP	01.04.2016	31.03.2017
9.	Associate Dean, College of Agril., Kolhapur	Dr.G.G.Khot Holding additional charge	37400-67000 +10000 AGP	01.04.2016	31.03.2017



6.5 Academic Staff- Heads of Department (Annual Report 1.04.2016 to 31.03.2017)

Sr. No.	Designation of post	Name of Officer	Pay Scale (Rs.)	Period	
				From	To
1	Head, Department of Agronomy	Dr.M.B.Dhonde Holding additional charge.	37400-67000 +10000 AGP	01.04.2016	31.03.2017
2	Head, Department of Soil Science and Agril.Chemistry	Dr.A.L.Pharande	37400-67000 +10000 AGP	01.04.2016	31.03.2017
3	Head, Department of Agril. Botany	Dr.J.V.Patil	37400-67000 +10000 AGP	01.04.2016	31.03.2017
4	Head, Department of Entomology	Dr.S.S.Jadhav	37400-67000 +10000 AGP	01.04.2016	31.03.2017
5	Head, Department of Pathology	Dr.S.G.Borkar	37400-67000 +12000 AGP	01.04.2016	31.03.2017
6	Head, Department of Horticulture	Dr.S.A.Ranpise	37400-67000 +10000 AGP	01.04.2016	31.03.2017
7	Head, Department of Animal Science and Dairy Science	Dr.Y.G.Fulpagare Holding additional charge	37400-67000 +10000 AGP	01.04.2016	31.03.2017
8	Head, Department of Food Science and Technology	Dr.S.S.Thorat Holding additional charge	37400-67000 +10000 AGP	01.04.2016	31.03.2017
9	Head, Department of Agril. Engineering	Shri.P.A.Turbutmut	37400-67000 +10000 AGP	01.04.2016	31.03.2017
10	Head, Department of Agril. Meteorology	Dr.D.W.Thawal Holding Additional Charge.	37400-67000 +10000 AGP	01.04.2016	31.03.2017
11	Head, Department of Extension Education	Dr.S.B.Shinde Holding Additional Charge.	37400-67000 +10000 AGP	01.04.2016	31.03.2017
12	Head, Department of Agril. Economics	Dr.D.B.Yadav	37400-67000 +10000 AGP	01.04.2016	31.03.2017
13	Sugarcane Specialist, Padegaon	Dr.S.M.Pawar Holding Additional Charge.	37400-67000 +10000 AGP	01.04.2016	31.03.2017



6.6 Other Officers (Annual Report 1.04.2016 to 31.03.2017)

Sr. No.	Designation of post	Name of Officer	Pay Scale (Rs.)	Period	
				From	To
1.	Registrar	Smt. Pallavi Nirmal Shri. Nilesh Jadhav Shri. Vikas Pansare Shri. G.K.Ghorpade	37400-67000 + 8700 AGP	11.9.2016 01.08.2016 13.05.2016 10.09.2016	31.07.2016 12.05.2016 05.09.2016 31.03.2017
2.	Comptroller	Shri. B.G.Nirmal	15600-39100 + 6600 AGP	01.04.2016	31.03.2017
3.	Students Welfare Officer	Shri. S.V.Patil, Holding additional charge	15600-39100 + 6600 AGP	01.04.2016	31.03.2017
4.	University Librarian	Shri. P.A.Shinde	37400-67000 +10000 AGP	01.04.2016	31.03.2017
5.	University Engineer	Shri. M.P.Dhoke	15600-39100 + 6600 AGP	01.04.2016	31.03.2017

6.7 University Manpower**Sanctioned, Vacant and Filled posts as on 30.03.2017**

Sr. NO.	Name of Cadre	Pay Scale (Revised)	Total		
			Sanctioned post	Filled post	Vacant Post
	Registrar				
Group A					
1	Vice Chancellor	Fix Pay Rs. 75,000/-	1	1	0
2	Registrar	37400-67000+ AGP 8700	1	1	0
3	Director of Research	37400-67000+ AGP 10000+ SPL.4000	1	0	1
4	Director of Extension Education	37400-67000+ AGP 10000+ SPL.4000	1	1	0
5	Dean, Faculty of Agriculture	37400-67000+ AGP 10000+ SPL.4000	1	0	1
6	Associate Dean (Agri.)	37400-67000+ AGP 10000+ SPL.3000	7	2	5
7	Associate Dean (Agril Engineering)	37400-67000+ AGP 10000+ SPL.3000	1	0	1
8	Head of Department	37400-67000+ AGP 10000	12	4	8
9	Professor of Agronomy	37400-67000+ AGP 10000	10	3	7
10	Professor of Soil Science and Agril. Chemistry	37400-67000+ AGP 10000	6	2	4
11	Professor of Bio Chemistry	37400-67000+ AGP 10000	1	0	1



12	Professor of Food Science and Technology	37400-67000+ AGP 10000	1	1	0
13	Professor of Irrigation and Water Management	37400-67000+ AGP 10000	1	1	0
14	Professor of Agril.Botany	37400-67000+ AGP 10000	16	7	9
15	Professor of Agril. Entomology	37400-67000+ AGP 10000	6	2	4
16	Professor of Plant Pathology	37400-67000+ AGP 10000	9	3	6
17	Professor of Horticulture	37400-67000+ AGP 10000	8	4	4
18	Professor of Animal Science and Dairy Science	37400-67000+ AGP 10000	6	1	5
19	Professor of Agril. Economics	37400-67000+ AGP 10000	5	2	3
20	Professor of Agril. Extension	37400-67000+ AGP 10000	5	4	1
21	Professor of Statistics	37400-67000+ AGP 10000	2	1	1
22	Professor of Soil and Conservation Engineering	37400-67000+ AGP 10000	2	0	2
23	Professor of Agril. Process Engineering	37400-67000+ AGP 10000	2	0	2
24	Professor of Irrigation and Drainage Engineering	37400-67000+ AGP 10000	3	0	3
25	Professor of Farm Power Machinery	37400-67000+ AGP 10000	5	0	5
26	Professor of Physics	37400-67000+ AGP 10000	1	0	1
27	Professor of Electrical Engineering	37400-67000+ AGP 10000	1	0	1
28	Professor of Civil Engineering	37400-67000+ AGP 10000	1	0	1
29	Professor of Mathematics	37400-67000+ AGP 10000	1	0	1
30	Associate Director of Research	37400-67000+ AGP 10000	3	0	3
31	University Librarian	37400-67000+ AGP 10000	1	1	0
32	Asso.Prof, Agronomy	37400-67000+ AGP 9000	42	29	13
33	Asso.Prof, Agril.Botany	37400-67000+ AGP 9000	32	25	7
34	Asso.Prof, Bio Chemistry	37400-67000+ AGP 9000	3	3	0
35	Asso.Prof, Soil Science and Agril.Chemistry	37400-67000+ AGP 9000	22	15	7
36	Asso.Prof, Agril. Entomology	37400-67000+ AGP 9000	15	8	7
37	Asso.Prof, Plant Pathology	37400-67000+ AGP 9000	18	10	8
38	Asso.Prof, Animal Science and Dairy Science	37400-67000+ AGP 9000	16	10	6
39	Asso.Prof, Agril. Economics	37400-67000+ AGP 9000	10	7	3
40	Asso.Prof, Horticulture	37400-67000+ AGP 9000	29	23	6
41	Asso.Prof, Agril. Extension	37400-67000+ AGP 9000	10	5	5
42	Asso.Prof, Statistics	37400-67000+ AGP 9000	2	1	1
43	Asso.Prof, English	37400-67000+ AGP 9000	1	0	1
44	Asso.Prof, Hindi /Marathi	37400-67000+ AGP 9000	2	0	2
45	Asso.Prof, Food Science and Tec.	37400-67000+ AGP 9000	1	1	0
46	Asso.Prof, Soil and Conservation Engineering	37400-67000+ AGP 9000	6	4	2
47	Asso.Prof, Agril. Process Eng.	37400-67000+ AGP 9000	6	4	2



48	Asso.Prof, Farm Power Machinery	37400-67000+ AGP 9000	4	2	2
49	Asso.Prof, Irrigation and Drainage Engineering	37400-67000+ AGP 9000	5	4	1
50	Asso.Prof, Physics	37400-67000+ AGP 9000	1	0	1
51	Asso.Prof, Veterinary Science	37400-67000+ AGP 9000	2	2	0
52	Asst.Prof, Agronomy	15600-39100+ AGP 6000	66	43	23
53	Asst.Prof, Soil Science and Agril. Chemistry	15600-39100+ AGP 6000	37	27	10
54	Asst.Prof, Bio Chemistry	15600-39100+ AGP 6000	4	3	1
55	Asst.Prof, Food Science and Tech.	15600-39100+ AGP 6000	1	1	0
56	Asst.Prof, Agril.Botany	15600-39100+ AGP 6000	53	34	19
57	Asst.Prof, Agril. Entomology	15600-39100+ AGP 6000	47	30	17
58	Asst.Prof, Plant Pathology	15600-39100+ AGP 6000	46	29	17
59	Asst.Prof, Animal Science and Dairy Science	15600-39100+ AGP 6000	25	13	12
60	Asst.Prof, Agril. Economics	15600-39100+ AGP 6000	19	11	8
61	Asst.Prof, Horticulture	15600-39100+ AGP 6000	47	35	12
62	Asst.Prof, Agril. Extension	15600-39100+ AGP 6000	19	8	11
63	Asst.Prof, Veterinary Science	15600-39100+ AGP 6000	6	4	2
64	Asst.Prof, Statistics	15600-39100+ AGP 6000	9	5	4
65	Asst.Prof, Mathematics	15600-39100+ AGP 6000	2	2	0
66	Asst.Prof, Agril. Meteorology	15600-39100+ AGP 6000	2	1	1
67	Asst.Prof, English	15600-39100+ AGP 6000	3	3	0
68	Asst.Prof, Home Science	15600-39100+ AGP 6000	0	0	0
69	Student Welfare Officer (Uni.Level)	15600-39100+ AGP 6600	1	0	1
70	Asst.Prof, Soil and Conservation Engineering	15600-39100+ AGP 6000	10	8	2
71	Asst.Prof, Agril. Process Engg.	15600-39100+ AGP 6000	6	4	2
72	Asst.Prof, Farm Power Machinery	15600-39100+ AGP 6000	7	3	4
73	Asst.Prof, Irrigation and Drainage Engineering	15600-39100+ AGP 6000	11	8	3
74	Asst.Prof, Physics	15600-39100+ AGP 6000	1	0	1
75	Asst.Prof, Electrical Engineering	15600-39100+ AGP 6000	1	1	0
76	Asst.Prof, Civil Engineering	15600-39100+ AGP 6000	1	0	1
77	Asst.Prof, Mechanical Engineering	15600-39100 + AGP 6000	1	0	1
78	Student Welfare Officer	15600-39100 + AGP 6600	1	0	1
79	Deputy Registrar	15600-39100 + GP 6600	2	2	0
80	Medical Officer	9300-34800 + GP 5400	2	1	1
81	Asst.Registrar / Asst.Compt.	9300-34800 + GP 4600	20	14	6
82	Deputy University Engg.	15600-39100 + GP 6900	1	0	1
83	Sports officer	15600-39100 + GP 6000	1	1	0
84	Security Officer	9300-34800 + GP 5400	1	0	1
85	PA to V.C.	9300-34800 + GP 4600	1	0	1
86	Asstt.Engg. (Civil)	15600-39100 + GP 5400	1	1	0
87	Physical Training Instructor	15600-39100 + GP 6000	6	5	1



88	College Librarian	15600-39100 + GP 6000	5	3	2
89	University Engg.	15600-39100 + GP 7600	1	1	0
90	Comptroller	15600-39100 + GP 6600	1	1	0
91	Pay and Account officer	9300-34800 + GP 4600	3	3	0
	Total Group A		819	499	320
Group B					
92	Office Superintendent	9300-34800 + GP 4400	32	23	9
93	Superintendent(Computer)	9300-34800 + GP 4400	1	1	0
94	Superintendent (Deputation)	9300-34800 + GP 4400	3	2	1
95	Stenographer(H.G.)	9300-34800 + GP 4400	10	5	5
96	Asstt. Supdt.	9300-34800 + GP 4300	55	26	29
97	Stenographer(L.G)	9300-34800 + GP 4300	19	7	12
98	Sr. Tech. Asstt.	9300-34800 + GP 4400	2	1	1
99	Junior Engineer/Sec.Eng (Electric)	9300-34800 + GP 4400	5	3	2
100	Junior Engineer / Sec.Eng (Civil)	9300-34800 + GP 4400	10	9	1
101	Junior Engineer / Sec.Eng (Meca.)	9300-34800 + GP 4400	1	1	0
102	Chief Artist	9300-34800 + GP 4300	1	1	0
103	Movie Cameraman	9300-34800 + GP 4300	1	0	1
104	Sr.Res.Asstt.	9300-34800 + GP 4300	143	131	12
105	Veterinary Officer	9300-34800 + GP 4300	3	0	3
	Total Group B		286	210	76
Group C					
106	Chief-Cataloguer	5200-20200 + GP 2800	7	1	6
107	Technical Asstt. (Lib)	5200-20200 + GP 2800	1	0	1
108	Sr.Clerk	5200-20200 + GP 2400	154	93	61
109	Steno Typist	5200-20200 + GP2400	15	1	14
110	Issue Asstt.	5200-20200 + GP2000	9	3	6
111	Clerk-Cum-Typist	5200-20200 + GP 1900	240	51	189
112	Farm Mechanic	5200-20200 + GP2400	4	1	3
113	Technical Asstt.	5200-20200 + GP 2800	4	4	0
114	Computer Operator	9300-34800 + GP 4200	3	0	3
115	Nurse	9300-34800 + GP 4200	1	1	0
116	Sr.Artist	5200-20200 + GP 2800	1	1	0
117	Artist-Cum- Photographer	5200-20200 + GP 2800	4	3	1
118	Photographer	5200-20200 + GP 2800	2	2	0
119	Draughtsman	5200-20200 + GP 2800 9300-34800 + GP 4200 (After 4 year service)	8	6	2
120	Mechanical Supervisor	5200-20200 + GP 2800	1	1	0
121	Foremen Supervisor	5200-20200 + GP 2800	2	1	1
122	Asstt. Security Officer	5200-20200 + GP 2800	1	1	0
123	Compounder (Medical)	5200-20200 + GP 2800	2	2	0
124	Sr. Mechanic	5200-20200 + GP 2400	4	3	1
125	Machinist	5200-20200 + GP 2400	1	0	1
126	Fitter	5200-20200 + GP 2400	6	4	2



127	Fitter-Cum-Mechanic	5200-20200 + GP 2400	1	0	1
128	Turner	5200-20200 + GP 2400	3	2	1
129	Welder	5200-20200 + GP 2400	3	2	1
130	Foundryman	5200-20200 + GP 2400	3	1	2
131	Dark Room Asstt.	5200-20200 + GP 2400	2	2	0
132	Audio Visual Operator	5200-20200 + GP 2400	4	1	3
133	Compounder(Vet.)	5200-20200 + GP 2400	4	3	1
134	Blacksmith	5200-20200 + GP 2400 (for ITI) 5200-20200 + GP 2000 (Other)	6	2	4
135	Electrician	5200-20200 + GP 2400	3	1	2
136	Wireman	5200-20200 + GP 2400 (for ITI) 5200-20200 + GP 1900 (Other)	24	15	9
137	Mechanic-Cum Electrician	5200-20200 + GP 2400	1	1	0
138	Carpenter	5200-20200 + GP 2400 (for ITI) 5200-20200 + GP 2000 (Other)	12	11	1
139	Surveyer	5200-20200 + GP 2400	1	1	0
140	Telephone Operator	5200-20200 + GP 2400	2	1	1
141	Tracer	5200-20200 + GP 2000 5200-20200 + GP 2400 (After 7 year service)	7	3	4
142	Printer	5200-20200 + GP 2000	1	1	0
143	Compositor	5200-20200 + GP 2000	2	2	0
144	Tractor Driver	5200-20200 + GP 2000	16	8	8
145	Jeep Driver	5200-20200 + GP 1900	74	43	31
146	Mistry	5200-20200 + GP 1900	12	6	6
147	Jr. Mechanic	5200-20200 + GP 1900	3	2	1
148	Plumber	5200-20200 + GP 1900	6	3	3
149	Pump Operator	5200-20200 + GP 1900	3	2	1
150	Jr.Res.Asstt.	9300-34800 + GP 4200	184	133	51
151	Agril. Asstt.	5200-20200 + GP2400	612	503	109
152	Live-Stock Supervisor	5200-20200 + GP2400	8	7	1
153	Jr.Vet. Officer	9300-34800 + GP 4200 (For Grauate) 5200-20200 + GP 2800 (For other)	2	1	1
	Group C		1469	936	533
Group D					
154	Mali	5200-20200 +GP 1800 (For Mali Tr.Cert.)	58	29	29
155	Counter	4440-7440+ GP 1600	55	35	20
156	Khansama	4440-7440+ GP 1600	5	1	4
157	Khalashi	4440-7440+ GP 1600	2	0	2
158	Lab Attendent	5200-20200 +GP 1900 (For SSC Pass.)	46	30	16
159	Lab-boy/keeper	4440-7440+ GP 1300	75	56	19
160	Attendant	4440-7440+ GP 1300	14	3	11
161	Paricharak	4440-7440+ GP 1300	1	1	0



162	G.House Attendant	4440-7440+ GP 1300	2	0	2
163	Lib Attendent	5200-20200+GP 1900 (For SSC with Lab.Cert.)	8	3	5
164	Helper	4440-7440+ GP 1300	12	11	1
165	Wireman Helper	4440-7440+ GP 1300	8	3	5
166	Cleaner	4440-7440+ GP 1300	3	2	1
167	Beldar	4440-7440+ GP 1300	2	0	2
168	Messenger	4440-7440+ GP 1300	3	2	1
169	Security Guard	4440-7440+ GP 1300	15	8	7
170	Sweeper	4440-7440+ GP 1300	23	21	2
171	Peon	4440-7440+ GP 1300	273	179	94
172	Bullock Man	4440-7440+ GP 1300	86	61	25
173	Ploughman	4440-7440+ GP 1300	27	18	9
174	Watchman	4440-7440+ GP 1300	156	97	59
175	Animal Attendant	4440-7440+ GP 1300	15	10	5
176	Milkman	4440-7440+ GP 1300	13	5	8
177	Hamal	4440-7440+ GP 1300	2	1	1
178	Dresser	4440-7440+ GP 1300	4	0	4
179	Plant Collector	4440-7440+ GP 1300	5	2	3
180	Vet Attendent	4440-7440+ GP 1300	3	2	1
181	Store. Asstt	4440-7440+ GP 1300	1	1	0
182	Museum Boy	4440-7440+ GP 1300	1	1	0
183	Field Servant	4440-7440+ GP 1300	2	2	0
184	Deliveryman	4440-7440+ GP 1300	6	1	5
185	Dairyman	4440-7440+ GP 1300	2	1	1
186	Gawali	4440-7440+ GP 1300	3	2	1
187	Herdsmen	4440-7440+ GP 1300	3	1	2
188	Poultryman	4440-7440+ GP 1300	4	2	2
189	Dispensary Attendant	4440-7440+ GP 1300	1	1	0
190	Massion	4440-7440+ GP 1600	4	1	3
191	Calfman	4440-7440+ GP 1300	3	2	1
192	Binder	4440-7440+ GP 1600	1	0	1
193	Ward Servant	4440-7440+ GP 1300	1	1	0
194	Workshop Mazdoor	4440-7440+ GP 1300	4	3	1
195	Field Maz.	4440-7440+ GP 1300	1	0	1
196	Mazdoor	4440-7440+ GP 1300	1342	800	542
197	Naik	4440-7440+ GP 1600	4	1	3
	Group D		2299	1400	899



7. Campus Development Activities

(1st April 2016 to 31st March 2017)

Sr. No	Name of work	Bill Amount (Rs.)	Fund head
1	Providing syntex tank with water pipe line connection and base to common toilet place near Rector office in boys hostel at A. C. Pune.	90902.00	ICAR - SAU
2	Minor plumbing repairs to toilet block and repairing of drainage line in E block boys hostel at A. C. Pune.	218877.00	ICAR - SAU
3	Renovation of vehicle parking shed of E hostel block at A. C. Pune.	233293.00	ICAR - SAU
4	Repairing to MS window, fixing of glass and MS net for window to UG girls hostel at Horticulture College, Pune.	135937.00	ICAR - SAU
5	Applying oil bound distemper internally to E block boys hostel near Mess at A. C. Pune.	244998.00	ICAR - SAU
6	Internal coloring and door repairing to B barrack hostel at A. C. Pune.	208237.00	ICAR - SAU
7	Providing grill work for window and ventilators and collapsible gate for E block boys hostel at A. C. Pune.	239680.00	ICAR - SAU
8	Repairs to window fixing of glass panes drainage and water supply line to Boys Hostel at A. C. Pune.	269874.00	ICAR - SAU
9	Renovation of drainage line for PG girls hostel at Horticulture College, Pune.	232653.00	ICAR - SAU
10	Renovation of drainage line for UG girls hostel at Horticulture College, Pune.	235706.00	ICAR - SAU
11	Repairs to window and fixing of MS steel wire mesh to girls hostel at Horticulture College, at A. C. Pune.	168896.00	ICAR - SAU
12	Renovation of existing meteorology observatory of field lab at A. C. Karad.	298873.00	ICAR - SAU
13	Providing kadappa shelves for boys hostel at A. C. Kolhapur.	296375.00	ICAR - SAU
14	Providing water tank and sliding window for ladies hostel mess at A. C. Kolhapur.	264503.00	ICAR - SAU
15	Construction of septic tank for 1st year Boys hostel at A. C. Kolhapur.	298263.00	ICAR - SAU
16	Renovation of C type quarters for Ladies hostel at A. C. Kolhapur.	290057.00	ICAR - SAU
17	Renovation of Students canteen at A. C. Kolhapur.	289823.00	ICAR - SAU
18	Construction of underground RCC water tank for ladies hostel at A. C. Kolhapur.	291095.00	ICAR - SAU
19	Replacement of AC sheet with powder coated GI sheet for Lecture hall and laboratory of Plant Pathology Section at A. C. Dhule.	191521.00	ICAR - SAU
20	Replacement of AC sheet with powder coated GI sheet for Botany section at A. C. Dhule.	218570.00	ICAR - SAU



21	Replacement of manglore tiles roofing with powder coated GI sheet for Agriculture Engineering section at A. C. Dhule.	216346.00	ICAR - SAU
22	Providing platform with roofing for water cooler and minor repairing work to Library building at A. C. Dhule.	645525.00	ICAR - SAU
23	Renovation of roof for Estate office (Old veterinary Dispensary) at A. C. Dhule.	150033.00	ICAR - SAU
24	Renovation of toilet block (Right side wing) for Boys Hostel at A. C. Dhule.	118413.00	ICAR - SAU
25	Water proofing for window chajjas and external coloring for Botany section at A. C. Dhule.	290897.00	ICAR - SAU
26	Painting to Boys hostel room converted for Exam Paper Checking unit at A. C. Dhule.	157733.00	ICAR - SAU
27	Renovation of student toilet block in Botany section at A. C. Dhule.	162934.00	ICAR - SAU
28	Renovation of Post Graduate Laboratory at Agronomy section at A. C. Dhule.	284027.00	ICAR - SAU
29	Providing false ceiling for Lecture hall of Plant Pathology section at A. C. Dhule.	167859.00	ICAR - SAU
30	Providing partition in Pathology Department Lecture hall to converted into NCC office at A. C. Dhule.	136467.00	ICAR - SAU
31	Renovation of Post Graduate Lecture hall and lab of Chemistry Section at A. C. Dhule.	229591.00	ICAR - SAU
32	Providing 32mm dia GI line Chemistry building at A. C. Dhule.	47514.00	ICAR - SAU
33	Renovation of brick bat coba to the terrace slab of Agriculture Engineering Girls Hostel building at C. C. Rahuri.	171054.00	ICAR - SAU
34	Construction of Parking shed and renovation of the Rector office at E and F Agriculture Engineering Boys Hostel building at C. C. Rahuri.	290071.00	ICAR - SAU
35	Renovation of ground floor single toilet block near room No. E-105, E-136 hostel for Dr. ASCAE & T at C. C. Rahuri.	285579.00	ICAR - SAU
36	Renovation of ground floor double toilet block near room No. E-115 and single toilet block near room No. 136 hostel for Dr. ASCAE & T at C. C. Rahuri.	292256.00	ICAR - SAU
37	Approach road and renovation of Vishveshwarrraya hostel for Dr. ASCAE & T at C. C. Rahuri.	738343.00	ICAR - SAU
38	Providing tandoor flooring for store shed near Library building at C. C. Rahuri.	206412.00	ICAR - SAU
39	Providing and fixing three track aluminum sliding windows in UPSC cell and Reading hall at PG Girls Hostel building at C. C. Rahuri.	99933.00	ICAR - SAU
40	Filling the floor of open space at PG girls Hostel building at C. C. Rahuri.	196107.00	ICAR - SAU
41	Providing soil cushioning for PGI farm pond at Sy. No. 51 near old gate at C.C. Rahuri.	44253.00	ICAR - SAU



42	Providing and fixing three track aluminum windows at the first floor to old PG girl's hostel building at C. C. Rahuri.	145807.00	ICAR - SAU
43	Repairs to the toilet block and fixing aluminum windows to the Teacher hostel building at C.C. Rahuri.	296647.00	ICAR - SAU
44	Construction of plinth and brick work in superstructure for store shed near Water Management laboratory at Dr. ASCAE & T at C. C. Rahuri.	294687.00	ICAR - SAU
45	Providing structural steel work for MS roof powder coated sheet roofing for store shed at Dr. ASCAE & T at C. C. Rahuri.	282333.00	ICAR - SAU
46	Providing chain link fencing for Tomato field and Shetkari Niwas IDE farm at Dr. ASCAE & T, MPKV, Rahuri.	61256.00	ICAR - SAU
47	Providing and fixing paving block in premises of E type Boys Hostel building at C. C. Rahuri.	295958.00	ICAR - SAU
48	Renovation of rough Shahabad flooring and providing BB coba water proofing for ground floor balconies of F hostel for Dr. ASCAE & T at C. C. Rahuri.	190129.00	ICAR - SAU
49	Providing rain water pipes to terrace and ground floor and first floor balconies of F hostel for Dr. ASCAE & T at C. C. Rahuri.	235828.00	ICAR - SAU
50	Providing and fixing paving block in premises of F type Agril. Engineering boys hostel building at C.C. Rahuri.	296905.00	ICAR - SAU
51	Providing filling in with murum and fixing paving block at open space of Sharad PG hostel building at C. C. Rahuri.	299466.00	ICAR - SAU
52	Providing and fixing paving block in premises of Shishir and Vasant PG hostel building at C. C. Rahuri.	299362.00	ICAR - SAU
53	Renovation of UG lecture and Practical hall in the Horticulture Section building at A. C. Kolhapur.	1296226.00	Revolving fund, Horticulture, Kolhapur.
54	Renovation of PG Seminar hall in the Horticulture section building at A. C. Kolhapur.	622610.00	Revolving fund, Horticulture, Kolhapur.
55	Renovation of PG Lecture and Practical hall in the Horticulture section building at A. C. Kolhapur.	1042144.00	Revolving fund, Horticulture, Kolhapur.
56	Providing electrification to the rat proof godown for Bajara Research Scheme at A. C. Dhule.	103019.00	Revolving fund, Bajara Research Scheme at A. C. Dhule.
57	Construction of compound wall of C block (Shelgi Village) at ATS, Solapur.	1892574.00	Revolving fund, Bajara Research Scheme at A. C. Dhule.
58	Providing aluminum partition with laminated boards for office and server room for Irrigation water requirement advisory services for Dr. ASCAE & T at MPKV, Rahuri.	100356.00	(RKVY - GWR) Dr. ASCAE & T
59	Providing chain link fencing from Yamuna lift to dry land research scheme border of Horticulture farm at C. C. Rahuri.	321489.00	Revolving fund Horticulture
60	Construction of Extension portion of PHT laboratory for Horticulture section at A. C. Kolhapur.	1002865.00	ICAR - Experiential Learning Commercial Horticulture at A. C. Kolhapur.



61	Renovation of entrance portion of the Pathology section at A. C. Kolhapur.	233005.00	ICAR - Experiential Learning Commercial Horticulture at A. C. Kolhapur.
62	Construction of working shed and store room for Horticulture farm at A. C. Kolhapur.	1198890.00	ICAR - Experiential Learning Commercial Horticulture at A. C. Kolhapur.
63	Providing flooring to hall No. 3 and sliding window to mixing and parking hall bio fertilizer laboratory in the Pathology section at A. C. Kolhapur.	288591.00	Bio - Fertilizer, Kolhapur.
64	Repairs and renovation of flooring and windows of hall No. 4 and room No. 3 of Pathology section at A. C. Kolhapur.	210266.00	Bio - Fertilizer, Kolhapur.
65	Repairs and renovation of the ground floor toilet block for Pathology section at A. C. Kolhapur.	202474.00	Bio - Fertilizer, Kolhapur.
66	Renovation of flooring of hall no. 2 and windows of hall no. 1 and 2 of pathology section at A. C. Kolhapur.	218706.00	Bio - Fertilizer, Kolhapur.
67	Repairs and renovation of office of Tomato Implement Scheme (Horticulture section) MPKV, Rahuri.	211543.00	Product Testing Scheme, Onion Storage Scheme
68	Renovation of Micro plot of Entomology Department at C. C. Rahuri.	189851.00	AICRP Nematodes, MPKV, Rahuri.
69	Strengthening of existing fencing of Buffalo project at ZARS, Shenda Park, Kolhapur.	293598.00	Network Project on Pandharpuri Buffalo
70	Renovation of glass rooms and office of Nematology section of Entomology Department at ADPGI building at C. C. Rahuri.	245381.00	Pesticide Product Testing
71	Construction of Practical hall and library cum reading hall for ATS, Borgaon, Dist - Satara.	630955.00	University Receipt
72	Erection of stage pendal and decoration for the 31 st Convocation on rental basis (As per details of work mentioned in Schedule - B) of the tender from at C. C. Rahuri.	520000.00	University Receipt
73	Painting to Faculty building and VIP suits for 31 st Convocation programme at C. C. Rahuri.	297116.00	University Receipt
74	Repairs to the LT and HT overhead line from Dairy Project, Dairy Quarters and LIS at farm at A. C. Dhule.	215443.00	University Receipt
75	Providing LT overhead line for Lift Irrigation Scheme (2x20HP) at RKVY farm at A. C. Dhule.	276001.00	University Receipt
76	Renovation of Approach road with carpet and seal coat towards Mithila bungalow at A. C. Pune.	284672.00	University Receipt
77	Repairs and renovation to Boys hostel at ATS, Manjari, Dist - Pune.	1406394.00	Maintenance and Repairs
78	Renovation of Associate Dean office at A. C. Dhule.	1141137.00	Maintenance and Repairs



8. Financial Status of University

The University receives grant in-aid mainly from State Govt. of Maharashtra, Indian Council of Agril. Research, New Delhi and Govt. of India. This University received Rs. 3741321 Thousand during the year 2016-17 from State Govt. of Maharashtra, Indian Council of Agril. Research, New Delhi and Govt. of India. The University generated revenue receipt of Rs. 171688 Thousand during the financial year 2016-17. Out of above total grants University incurred the expenditure of Rs. 3547717 Thousand. The details of grants received, revenue receipts generated and expenditure incurred by the University are given below.

Sr. No	Head of Account	Released Grants for F.Y. 2016-17 (Rs.)	Expenditure (Rs.)
I. State Govt. Crop.Husb. (Non-Plan Schemes)			
1.	Pension Payment	1,00,91,37,000	1,00,91,37,000
2.	D.C.P.S.	3,12,71,000	3,12,71,000
	(A) Total Rs. Pension	1,04,04,08,000	1,04,04,08,000
1.	Salary	1,30,95,17,305	1,30,95,17,305
2.	Salary – Festival Advance	1,84,40,000	1,84,40,000
3.	Salary–(University affiliated Institute) A.T.S. Malegaon	41,83,000	41,83,000
	(B) Total Rs. Salary	1,33,21,40,305	1,33,21,40,305
1.	Contingency Expenditure	6,84,87,000	6,84,87,000
2.	Maintenance and Repairs	9,47,00,000	9,47,00,000
3.	Concession for Girls (Education and Hostel Fee)	20,22,000	20,22,000
4.	Contingency Expenditure – (University affiliated Institute) A.T.S. Malegaon	1,31,000	1,31,000
	(C) Total Rs. Conti.Exp.	16,53,40,000	16,53,40,000
1.	Reimbursement of Exam fee of College Students from Drought prone villages	13,56,000	13,56,000
2.	Grant of Contractual Labour Leave Salary (Court Award)	11,22,72,000	11,22,72,000
3.	E.B.C. Scholarship	10,24,00,000	10,24,00,000
4.	D.C.P.S. Refund Amount	9,67,300	9,67,300
	(D) Total Rs.	21,69,95,300	21,69,95,300
	Total Rs. Crop Husb.	2,75,48,83,605	2,75,48,83,605
II. State Govt. Animal Husb. (Non.Plan Scheme)			
1.	Salary	2,36,14,683	2,36,14,683
2.	Contingency Expenditure	11,55,600	11,55,600
	Total Rs. Ani. Husb.	2,47,70,283	2,47,70,283
	Total Rs.(Crop. Husb.+ Ani.Husb) (Non-Plan)	2,77,96,53,888	2,77,96,53,888

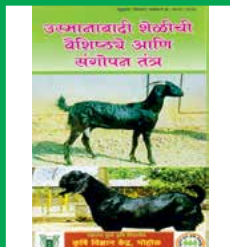
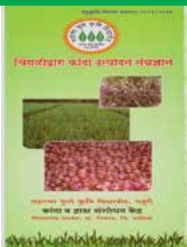
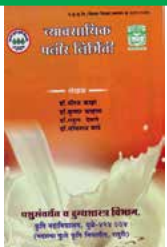
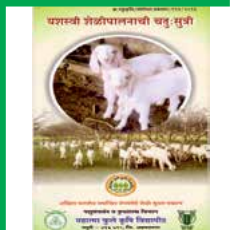
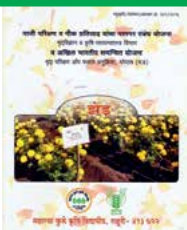
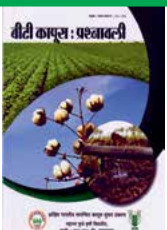
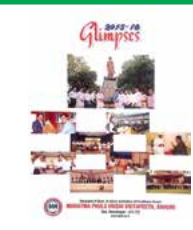
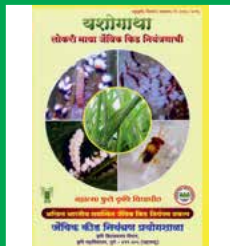
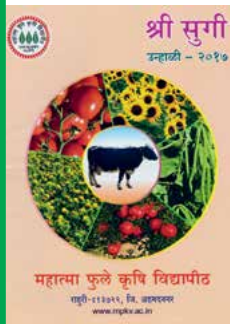


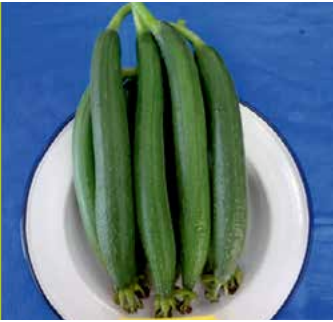
III. State Govt. Crop.Husb. (Plan Schemes)			
1.	ICAR (75:25) Plan Schemes State Govt. Share	12,29,48,000	12,29,48,000
2.	Pomogranate Research Center, Lakhmapur	8,00,000	8,00,000
3.	College of Agriculture, Karad	5,76,00,000	5,76,00,000
4.	College of Agriculture, Muktainagar	16,00,000	16,00,000
5.	College of Agriculture, Halgaon	4,50,00,000	50,00,000
6.	Strengthening of Irrigation System	4,00,000	4,00,000
7.	College of Agriculture, Nandurbar	1,23,75,000	1,23,75,000
	Total Rs.	24,07,23,000	20,07,23,000
IV. Indian Council of Agricultural Research, New Delhi			
1.	ICAR (75:25) Schemes 75 % Share	21,73,30,284	21,73,30,284
2.	ICAR Grant-in-aid (100 %) Schemes	11,74,03,132	11,74,03,132
3.	ATARI, Pune (K.V.K.,Grants)	6,80,53,973	6,80,53,973
	Total Rs.	40,27,87,389	40,27,87,389
V. Govt. of India Grant-in-aid			
1.	Govt. of India Grant -in-aid Schemes	3,97,86,050	3,97,86,050
	Total Rs.	3,97,86,050	3,97,86,050
VI. State Govt. (Dept. of Agriculture and Other Departments Grant)			
1.	Rashtriya Krishi Vikas Yojana	9,40,35,000	4,31,68,589
2.	CROPSAP	13,73,000	13,73,000
3.	HORTSAP	21,68,750	21,68,750
4.	E.B.C. Scholarship from MCAER , Pune	18,03,110	18,03,110
5.	National Service Scheme	21,69,294	21,69,294
6.	Funds from Marathi Vishwakos Nirmiti Mandal, Mumbai	2,40,000	2,40,000
7.	ATMA grants from Jalgaon, Sangli, Solapur	9,63,500	9,63,500
8.	YASHDA, Pune	41,250	41,250
9.	Computer Software grants from Agriculture University Parbhani / Akola / Dapoli	3,79,365	3,79,365
10.	Grants from Savitribai Phule Pune University	60,000	60,000
11.	Maharashtra State Flor. and Medi. Plant Board	34,50,000	34,50,000
	Total Rs.	10,66,83,269	5,58,16,858
VII. University Revenue Receipts			
1	University Revenue Receipts (Additional expenditure incurred from the balance of previous year)	17,16,87,818	18,12,21,401
	Grand Total Rs.	3,74,13,21,414	3,65,99,88,586





University Publications





Mahatma Phule Krishi Vidyapeeth

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