

# Glimpses 2017-18



Recipient of Govt. of India's Institution of Excellence Award

**MAHATMA PHULE KRISHI VIDYAPEETH**

Rahuri - 413722, Dist. Ahmednagar (Maharashtra)

[www.mpkv.ac.in](http://www.mpkv.ac.in)



# *Glimpses* 2017-18

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# *Glimpses*

2017-2018



**Mahatma Phule Krishi Vidyapeeth, Rahuri**

**Dist. Ahmednagar - 413 722 (M. S.)**

[www.mpkv.ac.in](http://www.mpkv.ac.in)







**Dr. K. P. Viswanatha**

Vice Chancellor

Mahatma Phule Krishi Vidyapeeth,

Rahuri, Dist. Ahmednagar

## FOREWORD

It gives me immense pleasure to present the publication of Glimpses of MPKV, Rahuri (2017-2018). This document comprises of the significant activities of the University in the field of agricultural education, research and extension education. MPKV is the recipient of Sardar Vallabhai Patel Best Agriculture University Award (2002), Rs. 100 crore special grants as Institution of Excellence by the Government of India (2008) and the most preferred institution (2009).

MPKV is celebrating its Golden Jubilee year of its establishment. Various programmes has been organized to celebrate this memorable event. Effective technology application is implemented through the Regional and District Extension Centres, Krishi Vigyan Kendras supervised by the Directorate of Extension Education. Capacity development programmes are organized for the Agril. Officers, Extension personnel, Subject Matter Specialists and representatives of Kisan Call Centres. Demonstrations on improved varieties and technologies released by the university have been organized in cluster approach through the Rashtriya Krishi Vikas Yojana- Farmer FIRST and ICAR Farmer FIRST programmes. Outreach programmes organized by the university significantly contributed to reduce the yield gaps and resulting in increasing the production and productivity of various crop commodities.

A mega event *Kisan Aadhar Sammelan - 2017* was organized in this university with moto of New India Manthan: *Sanklap se Siddhi, Unnat Sheti- Samrudh Shetkari* campaign. A large number of farmers visited the crop demonstrations and agriculture, animal exhibition and also participated in farmers- scientists interactions.

Last year the university has released 10 crop varieties, 2 improved agricultural implements and 50 technology recommendations. This included - Bajara : Phule Mahashakti, Sugarcane : Phule 10001, Rajmah : Phule Rajmah, Groundnut : Phule Bharati, Barnyard millet : Phule Bharti- 1, Oat : Phule Surbhi, Marvel : Marvel- 09-4, Sponge gourd : Phule Kamal, Cenchrus (Madras Anjan) : RCC- 10-6, Custard apple : Phule Janaki and Tomato : Phule Kesar and agricultural implements like Tractor operated Phule Sugarcane Transplanter and Power operated Phule Sugarcane sett cutter.

The university has established new Agriculture college named after Punyashlok Ahilyadevi Holkar at Halgaon, Dist- Ahmednagar. The Hon'ble Chief Minister of Maharashtra state Shri. Devendra Fadanvis laid down the foundation stone of this college. The number of affiliated colleges have gone up, while, Agriculture Technology Schools have opened the doors of agricultural education for students in rural areas. Students from number of foreign countries are also seeking admissions in the university.

Hon'ble Governor of Maharashtra state Shri. Vidyasagar Rao presided over the 32<sup>nd</sup> convocation organized in the university. Shri. A. S. Kirankumar, Chairman, Space Commission delivered the convocation address. Avishkar- 2017 event was successfully organized by the university.

The Glimpses of MPKV provides colourful and photographic information of various activities of the university. The occasion of 33<sup>rd</sup> Convocation of the university is a befitting one. I must appreciate the efforts of Dr. K. D. Kokate, Director of Extension Education and his associates Dr. P. B. Kharde, Dr. G. K. Waman, Dr. S. S. Sadaphal, Dr. B. A. Deshmukh, Dr. A. M. Chavai and Shri. S. B. Rajmane for bringing out this useful publication.

(K. P. Viswanatha)

Date : 7<sup>th</sup> December, 2018



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## Agricultural Technology Transfer

Vice Chancellor Dr. K. P. Viswanatha addressing the trainees during a Workshop of Farmer Producer Companies (FPC) for Seed Production organized by the university in co-ordination with the ATMA, Ahmednagar. (April 11, 2017)



Director, Extension Education Dr. K. D. Kokate, Joint Director of Agriculture(Pune Division) Shri Vijaykumar Ingale, DSAO Shri Pandit Lonare and other dignitaries along with trainees during the Prekharif Workshop under the *Unnat Sheti Samrudhha Shetkari Abhiyan* organized by the university in co-ordination with the State Department of Agriculture, M. S.

(April 26, 2017)

Secretary, Ministry of Agriculture and Farmers Welfare, GOI, New Delhi Mr. S. K. Pattanayak addressing the gathering during the inauguration of the Branch Office of Protection of Plant Varieties and Farmers Rights Authority at College of Agriculture, Pune. Also seen are Vice Chancellor Dr. K. P. Viswanatha, Dr. Ram Kharche, Vice President, MCAER, Pune, Dr. R. R. Hanchinal, Chairperson, PPV & FRA, Vice Chancellors, Directors and other officers. (May 20, 2017)



Visit of Secretary, Ministry of Agriculture and Farmers Welfare, GOI, New Delhi Mr. S. K. Pattanayak, Vice Chancellor Dr. K. P. Viswanatha, Dr. Ram Kharche, Vice President, MCAER, Pune, Dr. R. R. Hanchinal, Chair person, PPV & FRA, Dr. Ravi Prakash Dani, Vice Chancellor, Dr. PDKV, Akola, Dr. R. C. Agrawal, Registrar General, PPV & FRA, Dr. Ravi Prakash, Registrar, PPV & FRA, Directors and other officers to Biodiversity Exhibition organized during inauguration of Branch Office of Protection of Plant Varieties and Farmers Rights Authority at College of Agriculture, Pune. (May 20, 2017)





◀ Vice Chancellor Dr. K. P. Viswanatha addressing the training programme organized under the *Unnat Sheti Samrudhha Shetkari Abhiyan* in coordination with RAMETI, Pune. Also seen are Director, Extension Education Dr. K. D. Kokate, Director of Research Dr. R. S. Patil and DSAO Shri Pandit Lonare. (May 22, 2017)

▶ Director, Extension Education Dr. K. D. Kokate addressing the training programme organized under the *Unnat Sheti Samrudhha Shetkari Abhiyan* in coordination with RAMETI, Pune. Also seen are ATMA Director, Shri Bhausaheb Barhate, Director of Research Dr. R. S. Patil and Principal, RAMETI, Pune Dr. Mrs. Meghna Kelkar and other dignitaries. (May 22, 2017)



◀ Vice Chancellor Dr. K. P. Viswanatha with District Collector Shri Abhay Mahajan and Shri. Pandit Lonare, DSAO during inauguration of the fortnight training programme organized under the *Unnat Sheti Samrudhha Shetkari Abhiyan* in co-ordination with Agriculture Department. Also seen are other dignitaries and farmers. (May 25, 2017)

▶ Director, Extension Education Dr. K. D. Kokate addressing the Group Leader Farmers training programme organized under the *Unnat Sheti Samrudhha Shetkari Abhiyan* in co-ordination with Agriculture Department. Also seen are Sub Divisional Agriculture Officer Shri Sudhakar Borale and other dignitaries. (May 26, 2017)





Director, Extension Education Dr. K. D. Kokate addressing the Agriculture Programme Advisory Committee meeting of Mumbai and Pune Doordarshan organized at MPKV, Rahuri. Also seen are Director, Doordarshan Kendra, Mumbai Shri Shivaji Phulsundar and other dignitaries (June 13, 2017)



Vice Chancellor Dr. K. P. Viswanatha addressing the Zonal Agricultural Research and Extension Advisory Committee (ZAREAC) meeting for Kharif season organized at College of Agriculture, Pune. (June 15, 2017)

Shri. Venugopal Reddy, Secretary to Hon'ble Governor of Maharashtra visited ATIC, MPKV, Rahuri. Also seen are Vice Chancellor Dr. K. P. Viswanatha, Director, Extension Education Dr. K. D. Kokate and other delegates. (June 18, 2017)



A Farmers Rally and Demonstration visit of ICAR Farmer FIRST programme of MPKV, Rahuri was organized in presence of Vice Chancellor Dr. K. P. Viswanatha, Dr. V. P. Chahal, ADG (AE), ICAR, New Delhi, Dr. Lakhan Singh, Director, ICAR-ATARI, Zone-VIII, Pune and Dr. K. D. Kokate, Director, Extension Education, MPKV, Rahuri at village Chichvihire, Tal. Rahuri, Dist. Ahmednagar. (July 2, 2017)





- ▶ Deputy Director General, AE, ICAR, New Delhi Dr. A. K. Singh visited the demonstrations organized at Chinchvihire village of ICAR Farmer FIRST programme of MPKV, Rahuri. Also seen are Dr. K. D. Kokate, Director, Extension Education, MPKV, Rahuri, Dr. Lakhan Singh, Director, ICAR-ATARI, Zone-VIII, Pune, other delegates and farmers. (July 22, 2017)

▶ Deputy Director General, AE, ICAR, New Delhi Dr. A. K. Singh distributing the poultry chicks to the farmers under ICAR Farmer FIRST programme of MPKV, Rahuri during farm rally at Chinchvihire village. Also seen are Dr. K. D. Kokate, Director, Extension Education, MPKV, Rahuri, Dr. Lakhan Singh, Director, ICAR-ATARI, Zone-VIII, Pune, other delegates and farmers. (July 22, 2017)



- ▶ Union Minister of State for Defence Shri. Suresh Bhamre addressing the scientists and farmers during the New India Manthan: Sankalp Se Siddhi programme organized at KVK, Dhule. (August 19, 2017)

▶ President, Zilla Parishad, Satara Shri. Sanjeevraje Naik addressing the scientists and farmers during the New India Manthan: Sankalp Se Siddhi programme organized at KVK, Borgaon (Satara). Also seen are MLA Shri. Anandrao Patil, Director, Extension Education Dr. K. D. Kokate and other dignitaries. (August 23, 2017)





Hon'ble Chief Minister of Maharashtra Mr. Devendraji Phadanvis inaugurating the Agro Tech Fest-2017 organized at College of Agriculture, Pune. Also seen are Food and Drugs Administration, Civil Supplies and Consumer Protection, Parliamentary Affairs Minister and Pune District Guardian Minister Shri. Girish Bapat, Minister of state for Social Justice and Special Assistance Shri. Dilip Kamble, Vice Chancellor Dr. K. P. Viswanatha.

(September 10-13, 2017).



Hon'ble Chief Minister of Maharashtra Mr. Devendraji Phadanvis visited the animal exhibition of Agro Tech Fest-2017 organized at College of Agriculture, Pune. Also seen are Food and Drugs Administration, Civil Supplies and Consumer Protection, Parliamentary Affairs Minister and Pune District Guardian Minister Shri. Girish Bapat, Minister of state for Social Justice and Special Assistance Shri. Dilip Kamble, Vice Chancellor Dr. K. P. Viswanatha.

(September 10-13, 2017).



Vice Chancellor Dr. K. P. Viswanatha briefing the university work to Hon'ble Chief Minister of Maharashtra Mr. Devendraji Phadanvis during the Agro Tech Fest-2017 organized at College of Agriculture, Pune. Also seen are Food and Drugs Administration, Civil Supplies and Consumer Protection, Parliamentary Affairs Minister and Pune District Guardian Minister Shri. Girish Bapat, Minister of state for Social Justice and Special Assistance Shri. Dilip Kamble.

(September 10-13, 2017).



Release of publication at the hands of Hon'ble Minister of Agriculture and Horticulture Shri. Pandurang Fundkar during the Zonal Agricultural Research and Extension Advisory Committee meeting for Rabi and Summer 2017-18 organized at the Mahatma Phule Krishi Vidyapeeth, Rahuri in collaboration with Department of Agriculture, M.S. Also seen are Vice Chancellor Dr. K. P. Viswanatha, Commissioner, Agriculture Shri. Sacchindra Pratapsinh and other dignitaries.

(27 September, 2017)







◀ Kisan Aadhar Sammelan-2017 was inaugurated at the hands of Shri. Pandurang Fundkar, Minister of Agriculture and Horticulture, M.S. and Pro Chancellor, MPKV, Rahuri. Also seen are Shri. Ram Shinde, Minister of Water Conservation and Protocol, M.S. and Guardian Minister, Ahmednagar district, Mrs. Shalinitai Vikhe Patil, President, Zilla Parishad, Ahmednagar, Vice Chancellor Dr. K. P. Viswanatha and other dignitaries. (September 27, 2017)

▶ Minister of Agriculture and Horticulture, M.S. Shri. Pandurang Fundkar addressing the gathering of scientists, students and farmers during inauguration programme of Kisan Aadhar Sammelan-2017. Also seen are Shri. Ram Shinde, Minister of Water Conservation and Protocol, M.S. and Guardian Minister, Ahmednagar district, Mrs. Shalinitai Vikhe Patil, President, Zilla Parishad, Ahmednagar, Vice Chancellor Dr. K. P. Viswanatha, Shri. Sacchindra Pratapsingh, Commissioner, Agriculture and other dignitaries. (September 27, 2017)



▶ Field visit of Minister of Agriculture and Horticulture, Shri. Pandurang Fundkar and Shri. Ram Shinde, Minister of Water Conservation and Protocol, M.S. and Guardian Minister, Ahmednagar district along with Vice Chancellor Dr. K. P. Viswanatha during Kisan Aadhar Sammelan-2017. (September 25, 2017)

◀ Visit of Minister of Agriculture and Horticulture, M.S. Shri. Pandurang Fundkar, Shri. Ram Shinde, Minister of Water Conservation and Protocol, M.S. and Guardian Minister, Ahmednagar district, Mrs. Shalinitai Vikhe Patil, President, Zilla Parishad, Ahmednagar, Vice Chancellor Dr. K. P. Viswanatha at Exhibition of Kisan Aadhar Sammelan-2017. Also seen other dignitaries. (September 27, 2017)





Minister of Animal Husbandry, Dairy Development and Fishery Development, M. S. Shri. Mahadeo Jankar addressing the gathering of scientists, students and farmers during inauguration programme of Animal Exhibition of Kisan Aadhar Sammelan-2017. Also seen are Vice Chancellor Dr. K. P. Viswanatha, Former Vice Chancellors Dr. S. N. Puri, Dr. V. M. Mayande, Shri. Popatrao Pawar, Executive President, Adarsha Gaon Yojana, M. S., Dr. D. L. Maheshwari, Vice Chancellor, University of Horticulture Sciences, Bagalkot and other dignitaries. (September 25, 2017)



Minister of State for Home (Rural), Finance and Planning Shri. Deepak Kesarkar addressing the gathering of scientists, students and farmers during valedictory function of Kisan Aadhar Sammelan-2017. Also seen are Dr. Ram Kharche, Vice Chairman, MCAER, Pune, Vice Chancellor Dr. K. P. Viswanatha and other dignitaries. (September 29, 2017)

Visit of Shri. Mahadeo Jankar, Minister of Animal Husbandry, Dairy Development and Fishery Development, M. S. along with Vice Chancellor Dr. K. P. Viswanatha to the demonstration plots during Kisan Aadhar Sammelan-2017. (September 25, 2017)



Vice Chancellor Dr. K. P. Viswanatha addressing the gathering of scientists, students and farmers during valedictory function of Kisan Aadhar Sammelan-2017. Also seen are Minister of State for Home (Rural), Finance and Planning Shri. Deepak Kesarkar and other dignitaries. (September 25, 2017)





- Director of Extension Education Dr. K. D. Kokate addressing the participants in the valedictory function of training programme on Determination of Nitrogen, Sulphur and Boron for preparation of Soil Health Card. (November 6, 2017)

Distribution of fish fingerlings at the hands Director, Extension Education Dr. K. D. Kokate to the farmers of ICAR Farmer FIRST programme at Chinchvihire village. Also seen are Director of Research Dr. S. R. Gadakh, Comptroller Shri. Vijay Kote and other dignitaries (November 27, 2017)



- Director, Extension Education Dr. K. D. Kokate addressing the farmers during the fish fingerlings distribution programme organized under ICAR Farmer FIRST programme at Chinchvihire village . Also seen are Dr. S. R. Gadakh, Director of Research and other dignitaries. (November 27, 2017)



Releasing of fish fingerlings in the farm pond at the hands of Comptroller Shri. Vijay Kote along with Director, Extension Education Dr. K. D. Kokate and other dignitaries of ICAR FFP in Chinchvihire village. (November 27, 2017)





Deputy Director General (Education), ICAR, New Delhi Dr. N. S. Rathore addressing the gathering on the occasion of Magova (Retrospection)-2017. Also seen are Vice Chancellor Dr. K. P. Viswanatha, Directors and University Officers. (December 30, 2017)



Vice Chancellor Dr. K. P. Viswanatha addressing the gathering of Magova (Retrospection)-2017. Also seen are Deputy Director General (Education), ICAR, New Delhi Dr. N. S. Rathore, Directors and University Officers. (December 30, 2017)



Releasing of Krishi Darshani – 2018 during the function of Magova (Retrospection)-2017 at the auspicious hands of Deputy Director General (Education), ICAR, New Delhi Dr. N. S. Rathore, Vice Chancellor Dr. K. P. Viswanatha and Directors and University Officers. ( December 30, 2017)



Visit of Deputy Director General (Education), ICAR, New Delhi Dr. N. S. Rathore, Vice Chancellor Dr. K. P. Viswanatha to the Exhibition of Magova (Retrospection)-2017. Also seen are other dignitaries. (December 30, 2017)





Director General, International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), Hyderabad Dr. David Bergvinson addressing the farmers during massive rabi crop technology demonstrations day organized by Mahatma Phule Krishi Vidyapeeth, Rahuri in collaboration with the State Department of Agriculture. Also seen are Vice Chancellor Dr. Viswanatha, Research Program Director, Asia and Director, ICRISAT Development Centre Dr. S. P. Wani and other dignitaries. (January 22, 2018)

Visit of dignitaries to the field of massive rabi crop technology demonstrations on rabi sorghum, chickpea, wheat and different vegetables, organized by Mahatma Phule Krishi Vidyapeeth, Rahuri in collaboration with the State Department of Agriculture. (January 22, 2018)



A Farmers Exposure visit was organized under the ICAR Farmer FIRST programme. Vice Chancellor Dr. K. P. Viswanatha and Dr. S. R. Gadakh, Director, Extension Education and Director of Research flagged the bus. (January 20, 2018)

Vice Chancellor Dr. K.P. Viswanatha addressing the XV<sup>th</sup> Extension Education Council (EEC) meeting. Also seen are Hon'ble Members and Former Directors of Zonal Project Directorates Dr. S. Prabhukumar and Dr. A. M. Narula, Progressive farmers Shri. Narendra Patil and Shri. Rajaram Chaudhary. (Jan. 5, 2018)





Vice Chancellor Dr. K. P. Viswanatha addressing the two days workshop on Preventing Grain Losses: Scientific Approach organized at the College of Agriculture, Pune in collaboration with the Indian Council of Agricultural Research, New Delhi and the Entomological Society of India. Also seen are Dr. Chitra Shrivastav, Head of the Agril. Entomology Department, ICAR-Indian Agricultural Research Institute, New Delhi and Dr. S. Mohan, Director, Tamilnadu Agricultural University, Coimbatore and other dignitaries. (January 29-30, 2018)



Minister of State for Agriculture, Horticulture and Marketing, M. S. Shri. Sadabhau Khot inaugurating a Farmers Rally along with Agriculture Exhibition and Rabi demonstrations organized at College of Agriculture, Karad. Also seen are Vice Chancellor Dr. K. P. Viswanatha, former Minister Shri. Laxmanrao Dhoble, Shri. Tushar Pawar, Member, Executive Council and other dignitaries. (February 16, 2018)



Minister of Tourism and Employment Guarantee, Govt. of Maharashtra Shri. Jaykumar Rawal inaugurating the Agricultural Mechanization Day-2018 organized at Krishi Vigyan Kendra, Dhule. Also seen are Director of Research and Director of Extension Education Dr. S. R. Gadakh, Associate Dean, College of Agriculture, Dhule Dr. A.M. Musmade and other dignitaries. (February 16, 2018)



A one-day Farmers Exposure visit was organized under the ICAR Farmer FIRST programme of MPKV, Rahuri. About 30 farmers and farm women from Chinchvihire and Kangar villages visited the Sahyadri Agro Farmer Producer Company at Mohadi of Nasik district. PI, ICAR FFP Dr. P. B. Kharde and others seen here. (February 14, 2018)





◀ Agricultural Technology Festival (2017-18) jointly organized by Krishi Vigyan Kendra, Dhule, College of Agriculture, Dhule and Rashtriya Chemicals and Fertilizers (RCF) Ltd., was celebrated at Krishi Vigyan Kendra, Dhule. Dr.A.M. Musmade, Associate Dean, College of Agriculture, Dhule presided over the function. (February 15-17, 2018)

▶ Minister for Agriculture and Horticulture Shri. Pandurang Fundkar inaugurated Krishi Mahotsav-2018 organized at the College of Agriculture, Pune. Also seen are Hon'ble Minister for Co-operatives, Marketing and Textiles Shri. Subhash Deshmukh, Vice Chancellor Dr. K. P. Viswanatha, Executive Council Member Shri. Tushar Pawar, and other dignitaries. The dignitaries visited the animal exhibition. (March 10-13, 2018)



◀ Hon'ble Minister for Agriculture and Horticulture Shri. Pandurang Fundkar inaugurated Krishi Mahotsav-2018 organized at the College of Agriculture. Also seen are Hon'ble Minister for Co-operatives, Marketing and Textiles Shri. Subhash Deshmukh, Vice Chancellor Dr. K. P. Viswanatha, Executive Council Member Shri. Tushar Pawar, and other dignitaries. The dignitaries visited the exhibition stalls organized during the event. (March 10-13, 2018)

▶ The live webcast of Hon'ble Prime Minister's address to the farmers of the country on the occasion of Krishi Unnati Mela at IARI, New Delhi was organized in the university. Vice Chancellor Dr. K. P. Viswanatha, Hon'ble Members of Parliament Shri. Dilip Gandhi and Shri. Sadashiv Lokhande, Directors Dr. K. D. Kokate, Dr. A. L. Pharande, Dr. S. R. Gadakh, Registrar Dr. D. D. Pawar and university officers were present on this occasion. (March 17, 2018)





The former Governor of Tripura and Bihar Dr. D.Y. Patil and Vice Chancellor Dr. K.P. Viswanatha releasing the publications during inauguration of National Symposium on “Noni and Herbal Wealth for Sustainable Wellness” organized by Mahatma Phule Krishi Vidyapeeth (MPKV), Rahuri (MS) in collaboration with International Society for Noni Science (ISNS), World Noni Research Foundation (WNRF) and Noni Biotech, Chennai organized at College of Agriculture, Pune. Also seen are other dignitaries. (March 24-25, 2018)



The former Governor of Tripura and Bihar Dr. D.Y. Patil addressing the participants of National Symposium on “Noni and Herbal Wealth for Sustainable Wellness” organized by Mahatma Phule Krishi Vidyapeeth (MPKV), Rahuri (MS) in collaboration with International Society for Noni Science (ISNS), World Noni Research Foundation (WNRF) and Noni Biotech, Chennai organized at College of Agriculture, Pune. Also seen are Vice Chancellor Dr. K.P. Viswanatha and other dignitaries. (March 24-25, 2018)

Vice-Chancellor Dr. K.P. Viswanatha addressing during Annual Action Plan Workshop of 16 KVKs (western region) working under area jurisdiction of MPKV Rahuri organized at MPKV, Rahuri. Also seen are Director, Extension Education Dr. K. D. Kokate, Director, ICAR-ATARI, Pune Dr. Lakhan Singh. (March 20-21, 2018)



Participants of Annual Action Plan Workshop of 16 KVKs (western region) working under area jurisdiction of MPKV, Rahuri organized at Rahuri. (March 20-21, 2018)



## Agricultural Technology Generation



### Bajra variety : Phule Mahashakti

- 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

### Sugarcane variety : Phule 10001 (MS10001)

- 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.



### Rajmah variety : Phule Rajmah

- Average yield 17.07 q/ha which is higher by 22.27% than Varun, 28.53% than Vaghya 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.

### Groundnut variety : Phule Bharati (JL-776)

- 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%





## Barnyard millet variety : Phule Barti-1

- Higher grain yield ( 15.24 q/ha-1) i.e. 37.91% increase over national check variety VL172.
- High iron (65ppm ),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



## Oat variety : Phule Surbhi

- 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.



## Marvel variety : Marvel -09-4

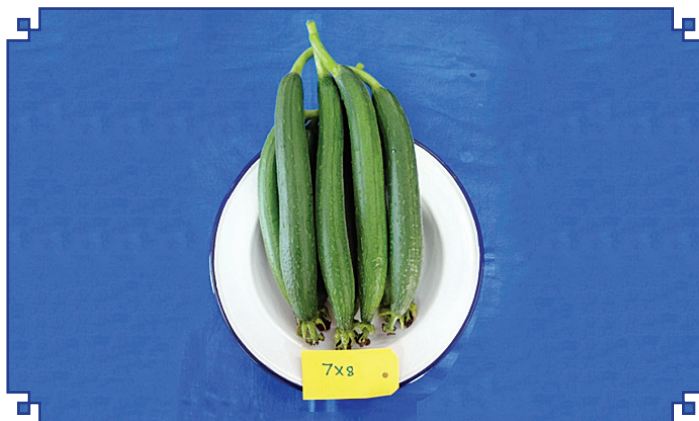
- High green forage yield (441.2 q/ha)
- High dry matter yield (102.0 q/ha)
- High crude protein yield ( 5.0 q/ha)
- High per day productivity for green forage yield ( 1.01 q/ha/day)
- Resistant to leaf blight. Sucking pest and defoliants not observed through out the year.



## Cenchrus (Madras Anjan) variety : RCC-10-6

- 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 defoliants not observed through out the year.





### Sponge gourd : Phule Komal

- Attractive, shiny green, cylindrical fruits.
- Av. 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.

### Custard apple: Phule Janaki

- 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.
- Pulp colour milky white with soft texture
- Less seed content
- Fruits are having better sugar: acid blend.



### Tomato : Phule Kesari

- Determinate type
- Oblong fruit shape
- Orange fruit colour
- $\beta$ -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

### Tractor operated Phule Sugarcane Transplanter

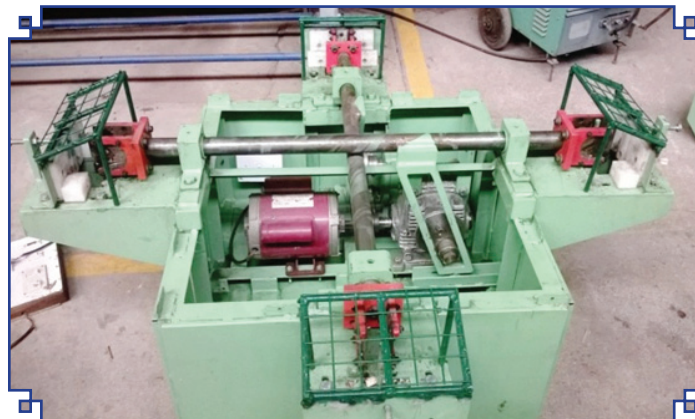
- For planting sugarcane seedlings at 120-150 cm x 60 cm, Tractor operated Phule Sugarcane Transplanter is recommended.





## 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.



- Vice Chancellor Dr. K. P. Viswanatha addressing the gathering during the celebration of World Honey Bee Day in the university with the theme Scientific Beekeeping. Also seen are Director of Research Dr. S. R. Gadakh and other dignitaries.  
(August 19, 2017)

The XX<sup>th</sup> meeting of Agriculture Research Council was held at MPKV, Rahuri under the Chairmanship of Vice Chancellor Dr. K.P. Viswanatha. Hon'ble Members and Invitees Dr. R.B. Deshmukh, Former Vice Chancellor, MPKV, Rahuri, Dr. V. M. Mayande, Former Vice Chancellor, Dr.PDKV, Akola, Dr. S. Lingappa, Former Director of Research, UAS, Dharwad, Dr. M. R. Dinesh, Director, ICAR-IIHR, Bengaluru, Dr. K. V. Prabhu, Jt. Director (Research), IARI, New Delhi and other dignitaries are seen.  
(Jan. 13, 2018)



- The XVI<sup>th</sup> meeting of Council for Co-ordination and Review of Seed Production and Agricultural Development Programme was held at Mahatma Phule Krishi Vidyapeeth, Rahuri under the Chairmanship of Vice-Chancellor Dr. K.P. Viswanatha. Also seen are Director of Research Dr. S. R. Gadakh, Dr. H. K. Kausadikar, Director of Research, MCAER, Pune, Shri. V. M. Hiremath, Dy. Director, Commissionerate of Agriculture, Pune and other dignitaries.  
(Jan. 9, 2018)



## Knowledge Sharing



- Releasing of publication “Krushigand” at the hands of Vice-Chancellor Dr. K.P. Viswanatha and the Chief Guest Shri Rajesh Urkude, Head of Tata Consultancy Services during Annual Social Gathering of PGI, MPKV, Rahuri prize distribution function. (April 1, 2017)

Vice Chancellor Dr. K. P. Viswanatha addressing the staff and students during the third International Yoga Day. The Chief Guest Dr. Vishwasrao Mandlik, Vice Chancellor, Yoga Vidya Gurukul, Nasik and other dignitaries are seen. (June 21, 2017)



- Vice Chancellor Dr. K. P. Viswanatha, Dean Dr. B. R. Ulmek, Director of Research Dr. R. S. Patil, Heads of Department, staff and students performing the yoga on the occasion of International Yoga Day. (June 21, 2017)

Vice Chancellor, Yoga Vidya Gurukul, Nasik Dr. Vishwasrao Mandlik addressing to staff and students on the eve of third International Yoga Day. Also seen are Vice Chancellor Dr. K. P. Viswanatha and other dignitaries. (June 21, 2017)





Vice Chancellor Dr. K. P. Viswanatha addressing the staff and students on the occasion of Vanmahostav and Krishidin programme. Also seen are Dr. V. P. Chahal, ADG (Agril. Extension), ICAR, New Delhi and other dignitaries. (July 1, 2017)



ADG (Agril. Extension), ICAR, New Delhi Dr. V. P. Chahal addressing the staff and students on the occasion of Vanmahostav and Krishidin programme. Also seen are Vice Chancellor Dr. K. P. Viswanatha and other dignitaries. (July 1, 2017)

Vice Chancellor Dr. K. P. Viswanatha planting the sapling on the occasion of Vanmahostav and Krishidin programme at MPKV, Rahuri. Also seen are Dr. V. P. Chahal, ADG (Agril. Extension), ICAR, New Delhi and other dignitaries. (July 1, 2017)



Vice Chancellor Dr. K. P. Viswanatha planting the sapling on the occasion of Vanmahostav and Krishidin programme at MPKV, Rahuri. Also seen are Dr. V. P. Chahal, ADG (Agril. Extension), ICAR, New Delhi and other dignitaries. (July 1, 2017)





Dr. K. P. Viswanatha, Vice Chancellor presided over the National Conference on Emerging Library, Information Science and Technologies organized at MPKV, Rahuri. The Chief Guest Dr. M. B. Chetti, Assistant Director General (HRD), ICAR, New Delhi, Guest of Honour Dr. C. Dev Kumar, Ex-Assistant Director General (Education), ICAR, New Delhi, Dr. K. Veeranjanyula, President, AALDI, Dr. A. L. Pharande, Dean, Faculty of Agriculture and Dr. S. R. Gadakh, Director of Research are seen on the dias. (July 20-21, 2017)

A Memorandum of Understanding (MoU) was signed between MPKV, Rahuri and Agriculture Microorganisms Manufacturers and Farmers Association (AMMFA), Nasik for collaborative research, production and registration of bio-pesticides and bio-fertilizers. Vice Chancellor Dr. K. P. Viswanatha and officers are seen. (July 7, 2017)



The XII th Annual Review Meeting of ICAR Seed Project- Seed Production in Agricultural Crops (2016-17) was organized by MPKV, Rahuri in co-ordination with Indian Institute of Seed Science, Mau (U. P.) in the university. Vice Chancellor Dr. K. P. Viswanatha seen while guiding the scientists. (July 29-30, 2017)

Padmabhushan awardee and pioneer of the Green Revolution Dr. M. S. Swaminathan visited the College of Agriculture, Pune and interacted with the staff and students. Vice Chancellor greeted him on this occasion. (September 8, 2017)





Teachers Day was celebrated in the university on the occasion of birth anniversary of former President of India late Dr. S. Radhakrishnan. Shri. Kad Siddheshwar Swamy of Kanheri Math, Kolhapur was the chief guest for the function. (September 5, 2017)



Teachers Day was celebrated in the university on the occasion of birth anniversary of former President of India late Dr. S. Radhakrishnan. Shri. Kad Siddheshwar Swamy of Kanheri Math, Kolhapur was the chief guest for the function. Vice Chancellor Dr. K. P. Viswanatha speaking on this occasion. (September 5, 2017)

An Alumini Meet of Association of Alumini Agricultural Engineers was organized on the occasion of Golden Jubilee Year Celebration of Dr. Annasaheb Shinde College of Agricultural, Engineering & Technology. Vice Chancellor Dr. K. P. Viswanatha presided over the function. Prof. Ian Smout, Former Director, Water Engg. Development Centre, UK delivered a lecture on Water Security for Developing Countries. (November 20, 2017)



The Inter Collegiate Avishkar Competition was organized at Dr. ASCAE & T of the university. Dr. S. R. Gadakh, Director of Research inaugurated the event. (October 3-4, 2017)





◀ Honourable Governor of Maharashtra and Chancellor of the university Shri. C. Vidyasagar Rao, Shri. A. S. Kiran Kumar, Chairman, Space Commission; Secretary, Dept. of Space, Govt. of India and Chairman, Indian Space Research Organization (ISRO), Shri. Pandurang Fundkar, Minister for Agriculture and Horticulture, M.S. and Pro Chancellor, Prof. Ram Shinde, Minister for Water Conservation and Protocol, M.S., Vice Chancellor Dr. K. P. Viswanatha and other dignitaries lighting the lamp during the 32<sup>nd</sup> Convocation. (October 25, 2017)

▶ Shri. A. S. Kiran Kumar, Chairman, Space Commission; Secretary, Dept. of Space, Govt. of India and Chairman, Indian Space Research Organization (ISRO) delivering the convocation address. (October 25, 2017)



◀ Vice Chancellor Dr. K. P. Viswanatha presenting the University report during the 32<sup>nd</sup> convocation. (October 25, 2017)



▶ Honourable Governor of Maharashtra and Chancellor of the university Shri. C. Vidyasagar Rao, Shri. A. S. Kiran Kumar, Chairman, Space Commission; Secretary, Dept. of Space, Govt. of India and Chairman, Indian Space Research Organization (ISRO), Shri. Pandurang Fundkar, Minister for Agriculture and Horticulture, M.S. and Pro Chancellor, Prof. Ram Shinde, Minister for Water Conservation and Protocol, M.S., Vice Chancellor Dr. K. P. Viswanatha and other dignitaries during the 32<sup>nd</sup> Convocation. (October 25, 2017)





AVISHKAR 2017, the XIIth Maharashtra State Inter-University Research Convention under the theme Creative Innovations for Skill India was inaugurated at MPKV, Rahuri by Dr. Vijay Bhatkar, Chancellor, Nalanda University. Vice Chancellor Dr. K. P. Viswanatha presided over the function. Dr. Pramod Pabrekar, Observer from Governor Office, Dr. K. D. Kokate, Director, Extension Education, Dr. A. L. Pharande, Dean, F/A, Dr. D. D. Pawar, Registrar and others. (January 15, 2018)



The Exhibition of AVISHKAR-2017 was also inaugurated at the hands of Dr. Vijay Bhatkar, Chancellor, Nalanda University. (January 15, 2018)

The dignitaries visiting the exhibition of AVISHKAR-2017. (January 15, 2018)



The valedictory programme of AVISHKAR 2017 was held in the presence of Dr. A. K. Singh, DDG (Horticulture and Crop Science), ICAR, New Delhi. Vice Chancellor Dr. K. P. Viswanatha presided over the function. Dr. K. D. Kokate, Director, Extension Education, Dr. S. R. Gadakh, Director of Research, Dr. Pramod Pabrekar, Observer and other dignitaries are seen. (January 17, 2018)





◀ National Seminar on Recent Trends in Plant Sciences and Agricultural Research organized at ZARS, Solapur under the chairmanship of Vice Chancellor Dr. K. P. Viswanatha and Chief Guest Ku. Praniti Shinde, MLA. Dr. S. R. Gadakh, Director of Research, Dr. A. L. Pharande, Dean, F/A, Shri. Namdev Chavan, Deputy Commissioner of Police, Solapur, Krishi Ratna Awardee Shri. Anand Kothadia, Ex-scientists Dr. S. P. Kale and Dr. J. R. Kadam and Associate Deans, scientists, students were present for the function. (January 11-12, 2018)

▶ Pune Smart City launches cycle service in College of Agriculture, Pune. On this occasion Vice Chancellor Dr. K.P. Viswanatha, Mr. Rajendra Jagtap CEO, Pune Smart City Dr. P. N. Rasal, Associate Dean, staff and students were present. (January 23, 2018)



◀ Vice Chancellor Dr. K. P. Viswanatha participated in the Prime Minister's "Krishi 2022-New Beginning" programme organized at Pusa, New Delhi. Hon'ble Prime Minister Shri. Narendra Modi and Hon'ble Union Minister of Agriculture and Farmers Welfare Shri. Radha Mohan Singh and dignitaries are seen. (February 19-20, 2018)

▶ Vice Chancellor Dr. K. P. Viswanatha inaugurated the second University Staff Sports Competition was organized at MPKV, Rahuri. the event. Dr. K. D. Kokate, Director, Extension Education, Dr. D. D. Pawar, Registrar, Shri. Vijay Kote, Comptroller, Dr. A. M. Musmade, Associate Dean, College of Agriculture, Dhule, Shri. Vishwas Jadhav, Deputy Registrar (Administration), Prof. Sharad Patil, Students Welfare Officer were present on the dias. (March 11-12, 2018)





The Foundation stone of the newly sanctioned Punyasholk Ahilyadevi Holkar College of Agriculture was laid at Halgaon, Dist. Ahmednagar at the auspicious hands of Hon'ble Chief Minister of Maharashtra Shri. Devendra Fadnavis. Prof. Shri. Ram Shinde, Minister of Water Conservation and Protocol, M.S. and Guardian Minister, Ahmednagar district presided over the function. Shri. Sadabhau Khot, Hon'ble Minister of State for Agriculture and Horticulture, M. S., Shri. Dilip Gandhi, Member of Parliament, Vice Chancellor Dr. K. P. Viswanatha and other dignitaries are seen. (January 1, 2018)



Prof. Shri. Ram Shinde, Minister of Water Conservation and Protocol, M.S. and Guardian Minister, Ahmednagar district addressing during the foundation stone of the newly sanctioned Punyasholk Ahilyadevi Holkar College of Agriculture, Halgaon, Dist. Ahmednagar. (January 1, 2018)



An innovative programme TIFAN-2018 was organized in the university in collaboration with the Society of Automotive Engineers, India (SAE) and sponsored by John Deer and Cummins. Vice Chancellor Dr. K. P. Viswanatha inaugurated the event. (March 22-23, 2018)



The International Women's Day was organized in the university. Dr. K. D. Kokate, Director, Extension Education presided over the function. (March 8, 2018)





## Awards



- Dr. K.P. Viswanatha, Vice Chancellor of MPKV, Rahuri was felicitated with the Lifetime Achievement Award by ICAR-Central Institute of Freshwater Aquaculture Kausalyaganga, Bhubaneswar and Krishi Vigyan Freshwater Aquaculture Association for his contribution to agriculture development. (January 7, 2018)

Vice Chancellor Dr. K.P. Viswanatha was bestowed with the Anulom Sanmitra Award at the auspicious hands of Hon'ble Chief Minister of Maharashtra Shri. Devendra Fadnavis in Pune. (January 31, 2018)



- Dr. K.P. Viswanatha, Vice Chancellor of MPKV, Rahuri was awarded the iFlora Excellence Award by the Indian Flowers and Ornamental Plants Welfare Association for his contribution to floriculture development. (February 23, 2018)

Dr. K. D. Kokate, Director, Extension Education, MPKV, Rahuri was conferred with the Fellow of International Society for Noni Science for the year 2018 during the Annual General Body Meeting held at College of Agriculture, Pune. (March 24, 2018)









## Infrastructure Development



◀ Inauguration of watershed development model at the hands of Honourable Governor of Maharashtra and Chancellor of the university Shri. C. Vidyasagar Rao. Also seen are Shri. Pandurang Fundkar, Minister for Agriculture and Horticulture, M.S. and Pro Chancellor, Prof. Ram Shinde, Minister for Water Conservation and Protocol, M.S., Vice Chancellor Dr. K. P. Viswanatha, Collector Shri. Abhay Mahajan, Shri. Popatrao Pawar and other dignitaries.

(October 25, 2017)

▶ Hon'ble Chief Minister of Maharashtra Shri. Devendra Fadnavis laying the foundation stone of the Punyasholk Ahilyadevi Holkar College of Agriculture, Halgaon, Dist. Ahmednagar.

(January 1, 2018)



◀ Dr. Ashok Dalwai, Additional Secretary, Ministry of Agriculture and Farmers Welfare, GOI, New Delhi inaugurated the plastic waste road prepared in the university campus. Vice Chancellor Dr. K. P. Viswanatha, Shri. Ramdas Kokre, Dy. CEO, Municipal Corporation, Vengurla, Directors Dr. K. D. Kokate, Dr. R. S. Patil, University Engineer Shri. Milind Dhoke were present on this occasion.

(May 21, 2017)

▶ Dignitaries, staff and students during the inauguration of waste plastic road at central campus, Rahuri.

(May 21, 2017)









