



MPKV HAPPENINGS

March 2020

Hon'ble Vice Chancellor and Dean, Faculty of Agriculture visited Washington State University (WSU), Pullman, USA



March 6-14, 2020. The Centre for Advanced Agricultural Sciences and Technology on Climate Smart Agriculture and Water Management is functioning at Mahatma Phule Krishi Vidyapeeth (MPKV), Rahuri under World Bank funded Indian Council of Agricultural Research (ICAR)–National Agricultural Higher Education Project (NAHEP), New Delhi. As per the Detailed Project Report (DPR) of the project, there is a provision of the international short visit and assistance for faculty members for presenting a research paper (oral) or chairing a session or delivering a keynote address in an international scientific event such as conference/ seminar/ symposium/ workshop etc. at different international collaborators of the CAAST-CSAWM project.

The Washington State University (WSU), Pullman, USA is serving as one of the key international collaborating institutes for CAAST-CSAWM, MPKV, Rahuri and is helping in developing the capacity amongst the faculties, scientists and students of MPKV, Rahuri for the development and adoption of 'Climate Smart Agriculture and Water Management' technologies and for development of framework of various programs of CAAST-CSAWM (e.g. short-courses to be offered at Postgraduate level and Post-doctoral program). Furthermore, Dr. K. P. Viswanatha, Hon'ble Vice-Chancellor and Dr. A. L. Pharande, Dean (F/A) were selected by the AU and approved by the NAHEP to undertake short visit to WSU, USA. The main objectives of the short visit were to sign the Memorandum of Understand (MoU) with Washington State University (WSU) and MPKV, to discuss exchange program of faculties and students of MPKV, and to explore the opportunities for collaborative and sandwich program with WSU, USA and also to deliver the seminars on the topics "Climate Smart and Precision Agriculture" and "Agriculture Start-ups" at Pullman and Prosser Campuses at WSU with a view to brainstorm on the approaches to be adopted in the field of climate smart agriculture and water management and for international collaboration.

Comprehensively, the short visit of both the MPKV officials included visit to Pullman and Prosser campuses of WSU, USA, field tours to Tri-cities and Seattle, USA. They attended various activities viz.,



meeting with CAAST collaborating team members at WSU Campus, WSU College of Agriculture Administrators, WSU AgWeatherNet Director and faculties and visited fields. Whereas at Prosser campus they attended meetings with WSU, IAREC Director, WSU CPAAS Director, visited WSU IAREC/ CPAAS and AgWeatherNet facilities, WSU Research Farms and also commercial vineyard operations sites along



with visit to Yakima valley which is also called as “Fruit basket” Washington State (specialty crop production and storage/packaging houses). At Pullman campus, they had meetings with Dr. Asif Chaudhary, Vice President, WSU International programs, Dr. Shulin Chen, Professor of Bioenergy and Biofuels program, Dr. Scot Hulbert, Associate Dean, WSU, CAHNRS, Dr. Claudio Stockle and Kirti Rajgopalan from Biological Systems Engineering (BSE), Land, Air, Water Resources and Environmental Engineering (LWAREE) and Dr. David Brown, Director, WSU, AgWeatherNet and discussed about the integrated agricultural research and extension, disseminated scientific knowledge to enhance the irrigated agriculture while protecting the environment and improving quality of life; integrated solutions to educate regional and global communities and future generations to advance economically, environmentally and socially sustainable irrigated agriculture; applications of scientific principles to study the managed biological systems and natural process; the applications of scientific principles to sustainability and biomass conservation; and about the weather monitoring system comprised automated weather stations that measures weather parameters in near real time etc. Comprehensively, they had also meetings with Dr. Sindhuja Sankaran, Associate Professor, WSU Phenomics program, Dr. Brenda Schroder, University of Idaho and Dr. Devendra Shan, Associate Professor, WSU Veterinary medicine and discussed about the different perspectives and opportunities in the field of biotechnology, phenomics, genomics, animal sciences etc. From Pullman campus the officials had arrived to Prosser campus of WSU and had meetings with Dr. Rayapati Naidu, Director, WSU Irrigated Agriculture Research and Extension Centre (IAREC) & CAHNRS and also with Dr. Qin Zhang, Director, WSU Centre for Precision and Automated Agricultural Systems (CPAAS) and discussed the different research and collaborative opportunities. They also visited WSU Tri-



cities. Dr. Lav. R. Khot, Assistant Professor, Department of Biological Systems Engineering, Centre for Precision and Automated Agricultural Systems (CPAAS), WSU, USA from the WSU side, whereas, Dr. M. G. Shinde, Co-Principal Investigator, CAAST-CSAWM, MPKV, Rahuri along with Dr. Mangal Patil, Research Associate (IDE) and Dr. Kalpesh Borse, Research Associate (WREM), CAAST-CSAWM from MPKV, Rahuri side took efforts for the aforesaid visit.

Action Plan Workshop of KVKs



March 9, 2020. The Annual Action Plan Workshop of 17 KVKs (western region) working under area jurisdiction of MPKV Rahuri was organized at MPKV, Rahuri. Dr. S. R. Gadakh, Director, Research and Extension Education, MPKV, Rahuri presided over the inaugural function. Dr. Y. G. Fulpagare, Associate Dean, PGI, Dr. S. A. Ranpise, Associate Dean, LAE, Dr. D. B. Yadav, Head, Department of Agril. Economics and Dr. V. R. Shende, Nodal Officer, PAHCoA, Halgaon were present on the dais. In his presidential address Dr. Gadakh said that at present 717 Krishi Vigyan Kendras are working in various districts of the country. The KVKs are a great source of dissemination of agricultural technologies through frontline demonstrations and on farm trials on farmers fields. Many agricultural technologies have reached the farmers through KVKs, he said. Dr. Gadakh in his remarks said that the KVKs have to play a big role in confronting the challenges before agriculture. Dr. P. B. Kharde, Officer Incharge, Communication Centre welcomed the dignitaries and the participants for the workshop. Dr. B. A. Deshmukh anchored the programme, while, Dr. G. K. Waman expressed vote of thanks. More than 150 SMS and staff of 17 KVKs participated in the workshop. Heads of Departments and scientists were present for the function. Publications of KVK, Dhule and KVK, Dahigaon-ne were released during the inaugural programme. The Action Plan of KVKs was finalized in this workshop through sessionwise technical discussions and suggestions made by university experts. The proceedings were finalized in the valedictory programme.

Farmers Rally organized under RKVY FFP at KVK, Dhule



March 13, 2020. A Farmers Rally was organized at KVK, Dhule under the Rashtriya Krishi Vikas Yojana (RKVY) Farmer FIRST project. Dr. S. R. Gadakh, Director, Research and Extension Education, MPKV, Rahuri inaugurated the event. Dr. M. C. Ahire, Associate Dean, College of Agriculture, Dhule presided over the programme. Dr. Y. G. Fulpagare, Associate Dean, PGI, MPKV, Rahuri, Dr. Suresh Dodke,

Wheat Specialist, ARS, Niphad, Dr. M. S. Mahajan, Extension Agronomist, REC, Dhule, Dr. D. R. Nandre, Head and Programme Coordinator, KVK, Dhule, progressive farmer Adv. Prakash Patil were present on the dais. Dr. Gadakh in his address to the farmers called upon the rural youth to adopt advanced technologies in farming. He further highlighted the contribution of MPKV in research and said that the university is making efforts for increasing the livelihood of the farmers through this research output. Youth should come forward to adopt the advanced technologies in farming like use of drones, micro irrigation and farm mechanization. Dr. Ahire in his address put forth the various technologies of university which would contribute to farmers income. He further said that farmers need to take the benefits of KVK activities. Dr. Fulpagare stated the importance of dairy business especially for small and marginal farmers. Dr. Mahajan also guided the farmers. Publications were released on this occasion. Farmers visited the crop demonstrations organized at KVK. Dr. Nandre gave the introductory and welcome remarks. Mr. Jagdish Kathepuri anchored the programme. Dr. Dhanraj Chaudhary proposed thanks. The KVK team Dr. Pankaj Patil, Mr. Rohit Kadu, Mrs. Amruta Raut, Dr. Aatish Patil, Mr. Jayram Gavit, Mr. Swapnil Mahajan, Mrs. Pachi Kale took efforts in organizing the event.

MPKV students success in AIAU sports at Tirupati



March 3, 2020. The MPKV students' team achieved a grand success in the All India Agricultural Universities (AIAU) sports competition organized at Sri Venkateswara Veterinary University, Tirupati. The MPKV team was the Runners up in this competition. The girls Kho-Kho team won the gold medal, while, the Table tennis team stood third winning the bronze medal. The boys team won the gold medal in volleyball, silver medal in basketball and bronze medal in kabbadi. In athletics, Miss. Shilpa Sangle won gold medals in 400 m run and long jump events. Miss. Shivani Naik won the silver medal in 100 m finals and bronze medal in 200 m finals. Yashraj Sawant won the bronze medal in 400 m event. The girls team won silver medal in 4 x 100



m relay event. Vice Chancellor Dr. K. P. Viswanatha and Dr. A. L. Pharande, Dean, Faculty of Agriculture and Director of Instructions congratulated the students for this achievement. Dr. M. R. Chauhan, Students Welfare Officer and Prof. D. M. Gaikwad, Sports Officer guided the students alongwith Prof. Pushpashil Shelke, PTI, Dhule, Dr. Abhijit Nalawade, PTI, AC, Pune and Prof. Ram Borse, PTI, AC, Kolhapur.

ICAR FOCARS successfully completed Field Experience Training under ICAR FFP



February 25 to March 16, 2020. A batch of eight ARS scientist probationers undergoing the 110th Foundation Course for Agricultural Research Service (FOCARS) training at NAARM, Hyderabad successfully completed their three week Field Experience Training (FET) at Chinchvihire village under the MPKV's ICAR Farmer FIRST programme. The 110th FOCARS ARS Scientist Probationers Mr. Modi Rajesh Uttreshawar, Mr. Anarase Dattatray Arjun, Mr. Manjunatha K, Mr. Chandan

Maharana, Mrs. Sneha Adhikari, Miss. Shaghaf Kaukab, Miss. Priyanka Anjoy and Miss. Vinita Ramtekey from six different states participated in the same. All the ARS Scientist Probationers actively participated and completed all the activities allotted viz., Village Seminar, Institute Seminar, village activities, visits etc. with lot of enthusiasm, devotion and sincerity and developed a good rapport with the villagers. They documented the requisite reports. The trainees organized and celebrated the National Science Day, International Women Day and *Gram Parisamvad* in Chinchvihire village. Dr. V. V. Sumanth Kumar, Senior Scientist, NAARM, Hyderabad visited the university and conducted the Institute Seminar of the trainees. Dr. P. B. Kharde, PI, ICAR FFP and Dr. B. A. Deshmukh, Co-PI, ICAR FFP acted as FET local coordinators and facilitated the activities of the trainees. Vice Chancellor Dr. K. P. Viswanatha and Director of Research and Extension Education Dr. S. R. Gadakh also interacted with the ICAR scientist probationers and wished them the best for their future career.

Shivar Pheri and Group Discussion organized under RKVY FFP



March 12, 2020. *Shivar Pheri* and Group Discussion was organized by MPKV, Rahuri at Manori village (Tal. Rahuri, Dist. Ahmednagar) under Rashtriya Krishi Vikas Yojana (RKVY) Farmer FIRST project. Dr. S. R. Gadakh, Director, Research and Extension Education, MPKV, Rahuri inaugurated the activity. Dr. Y. G. Fulpagare, Associate Dean, PGI, MPKV, Rahuri, Prof. M. N. Desai, Manager, Agriculture Technology Information Centre and PI, RKVY FFP, Krishi Bhushan Dr. Dattatraya Wane, Press Reporter Shri. Rajendra Wadekar, scientists

and farmers were present on this occasion. Dr. Gadakh in his guidance to the farmers stated the importance of integrated farming system model developed by MPKV. The adoption of this model would help to assure a sustainable income to the farmers, he said. He further cited the importance of value addition of farm produce.



Dr. Fulpagare stated the importance of loose housing system in cattle. He also highlighted the scope and importance of poultry. Dr. Wane also guided on this occasion. Farm women Mrs. Rohini Shivaji Thorat narrated her experiences of backyard poultry. The dignitaries and farmers visited the cattle project of Shri. Shankar Sapkal who is managing forty cows and experienced the benefits of loose housing system. The team also visited the *Samadhan* variety plot of wheat of Shri. Wadekar. Prof. Desai and Shri. Babasaheb Adhav welcomed the dignitaries and farmers. Dr. Adangale, Co-PI, RKVY FFP anchored the programme and expressed thanks. Farmers in large number participated in this programme. Mr. A. V. Attar, Assistant Professor of Horticulture, Dr. Deepika Aglawe, R.A. and Field Assistants Shri. Rohit Ughade, Shri. Saddam Shaikh, Shri. Shivaji Jadhav, Jr. Clerk took efforts in organizing the programme.

Training programme organized under RKVY Farmer FIRST project



March 11, 2020. A training programme was organized by MPKV, Rahuri at central campus, Rahuri under RKVY Farmer FIRST project. Dr. S. R. Gadakh, Director, Research and Extension Education, MPKV,



Rahuri in his inaugural address to the farmers highlighted the importance of subsidiary occupations like dairy and poultry from their income point of view. The dairy enterprise is well settled in western Maharashtra along with sugarcane cropping, he said. The poultry, therefore, would be a sort of ATM to farmers, particularly the farm women, he asserted. Prof. M. N. Desai, Manager, Agriculture Technology Information Centre and PI, RKVY FFP gave the

introductory and welcome remarks. In the technical session Dr. Vishnu Narwade guided on cattle health management and Dr. Sunil Adangale on backyard poultry. Farmers also expressed their views and shared their experiences. Dr. Adangale, Co-PI, RKVY FFP anchored the programme and expressed thanks. Around 100 farmers participated in this programme from Manori, Kanhegaon and Tandulwadi villages.

Visit to RKVY FFP demonstrations at Hanmantgaon and Hasnapur



March 17, 2020. Various crop demonstrations were organized at Hanmantgaon and Hasnapur villages (Tal. Rahata, Dist. Ahmednagar) under the Rashtriya Krishi Vikas Yojana (RKVY) Farmer FIRST project. The MPKV team of Prof. M. N. Desai, Manager, Agriculture Technology Information Centre and PI, RKVY FFP, Dr. P. B. Kharde, Officer Incharge, Communication Centre and PI, ICAR FFP, Dr. S. S. Sadaphal, Assistant Professor of Agril. Extension, Mr. A. V. Attar, Assistant Professor of Horticulture and Shri. S. B. Rajmane, Agril. Asstt. visited these demonstrations. They visited the sugarcane-potato intercropping of farmer Shri. Nanabhau Vikhe, where the potato was being harvested. These intercropping demonstrations have been organized continuously by MPKV under RKVY FFP wherein the farmers have been incurring good returns from potato crop, which help to reduce the cost of production of sugarcane crop. They further visited the sugarcane-onion and sugarcane-chickpea intercropping demonstration plots of *Krishi Bhushan* Shri. Machindra Gholap and Shri. Sameer Patel. Shri. Gholap and Shri. Patel also expressed satisfaction of university technologies which have been demonstrated on their farm.

Effective steps taken by university in view of Coronavirus disease pandemic



March 23, 2020. The university took precautionary steps in the campus in view of the Coronavirus disease (COVID-19) pandemic situation. All measures prescribed by the Government are being followed. Use of sanitizers in all the offices and administrative building, post graduate building, Dr.ASCAE&T building has

been made compulsory. Social distancing has been made compulsory. Educational posters for awareness purpose have been published and displayed in the campus. The attendance of officers and employees has been made as per Government circulars during the lockdown period. The UG, PG and Ph. D. students' hostels have been sealed and strict monitoring has been observed at main gate.

Training programme on Communication Skills and Personality Development organized at Dhule



March 3-5, 2020. A training programme on Communication Skills and Personality Development was organized at College of Agriculture, Dhule under the guidance of Dr. Milind Ahire, Associate Dean, AC, Dhule by Dr. Sandip Patil, Training Convener and I/C Professor of Agriculture Extension and Communication Section. Dr. Shashikant Khalane, I/C Head, Dept. of Psychology, ZB Patil College, Dhule; Prof. Vivian Thomas, Ex Professor, MPKV,

Rahuri and Mr. Sushil Dhanavate, Hypnotist and Life Coach, Thane were the expert lecturers for the training programme. About 170 UG and PG students were benefitted by the training. Dr. A. B. Gaikwad, Shri. S.H. Ban, Shri Bharat Baviskar, Shri R.J. Mankar and Shri D. V. Kshirsagar took efforts for the successful organization of training programme.

Women melawa organized at College of Agriculture, Dhule



March 11, 2020. A Women melawa was organized at College of Agriculture, Dhule on the occasion of Women's day for SC awareness on welfare schemes and policies under SC- SP Sub Plan 2020 sponsored by ICAR, New Delhi. Associate Dean Dr. Milind Ahire in his presidential address gave the information of different government schemes related to women empowerment. Prof Usha Patil was the chief guest for this programme. More than 150 women, officers,

students and staff were present on this occasion. Dr. Sandip Patil, I/C Professor of Agriculture Extension gave introductory remarks, while, Dr. Dinesh Nandre, PC, KVK, Dhule expressed vote of thanks.

Annual Prize Distribution and Students Cultural Gathering organized at Dhule

March 11-12, 2020. The Annual cultural programme and Prize distribution ceremony was organized at College of Agriculture, Dhule under the chairmanship of Dr. Milind Ahire, Associate Dean, AC, Dhule. Shri. Prakash Holkar, popular Poet and Lyrist was the Chief Guest for the programme. Prof. Jitendra Suryawanshi, Student Welfare Officer welcomed the guests and anchored the programme. Dr. S. P. Sonawane, Vice President, Student Council gave introductory remarks. Student Yogita Chaged, Chairperson, Students Council presented the Annual Report, while, Pratik Jadhav, Sport Secretary presented the Annual Report of Sport. On this occasion the Annual College Publication *Mrudgandh* was



released with the auspicious hands of Dr. Ahire and Shri. Holkar. Dr. Sandip Patil, I/C Professor of Agriculture Extension and Communication Section edited the publication. Students presented various dances, acts, singing, *powada* and other cultural programmes. Prof Pushpashil Shelke, PTI expressed vote of thanks. Faculty and students were present on the occasion.

CAAST- CSAWM project activities

Training programme on Nanotechnology organized at MPKV, Rahuri

March 4, 2020. A one-day training programme on Nanotechnology and its Applications for Climate Smart Agriculture was organized by CAAST-CSAWM, MPKV, Rahuri. The inaugural function was carried in presence of Vice Chancellor Dr. K. P. Viswanatha. He gave the presidential remarks and brief idea about nanotechnology applications for climate smart agriculture. Dr. S. D. Gorantiwar, Principal Investigator, CAAST-CSAWM was the Convener of the training programme. Dr. M. G. Shinde, Co-Principal Investigator, CAAST-CSAWM was Co-Convener of the training programme. Dr. M. S. Mane, Head, Dept. of IFD-IWM, PGI, MPKV, Rahuri was the Organizing Secretary, while, Dr. D. D. Khedkar, Assistant Professor, IFD-IWM, PGI, MPKV, Rahuri was the Co-Organizing Secretary of the training programme. Dr. A. Lakshmanan, Professor and Head, Dept. of Nano Science and Technology, TNAU, Coimbatore, Dr. Ramesh Raliya, Joint General Manager and Head of Research Development at IFFCO, New Delhi, Dr. Kiran Kumar Sharma, Deputy Director/Associate Professor, Shivaji University, Kolhapur and Dr. Kiran Pawar, Assistant Professor, School of Nanoscience and Technology, Shivaji University, Kolhapur were the experts for the training programme. Dr. A. Lakshmanan delivered the expert lecture on Nanotechnological Interventions in Agriculture: Perceptions and Achievements with nano biosafety in agriculture. Dr. Ramesh Raliya delivered the expert lecture on Use of Nanotechnology in Agriculture to understand the use of nanotechnology in climate smart agriculture. Dr. Sharma gave the expert talk on Nanotechnology in Food Industries to understand the use of nanotechnology in food industries. Dr. Pawar addressed on Introduction to Nanobiotechnology to understand the use of nanotechnology in agriculture. The training programme was coordinated by Dr. Pradnya Jadhav, RA(IDE), Dr. Prashant Kale, RA(Biotech), Dr. Kalpesh Borse, RA(WREM), Dr. Mangesh Baviskar, RA(Horti.) CAAST-CSAWM, MPKV, Rahuri. All staff, CAAST-CSAWM members and students of Dr. ASCAET and PGI, MPKV, Rahuri were present for the training programme. Dr. Mangal Patil, RA(IDE) anchored the programme. Dr. M. G. Shinde expressed the vote of thanks.

Expert visit regarding ESP, EAP and GRM to CAAST-CSAWM Project

March 5-7, 2020. An expert visit regarding ESP, EAP and GRM to CAAST-CSAWM Project, MPKV, Rahuri was held. Dr. S. D. Gorantiwar, Principal Investigator CAAST-CSAWM briefed about the project. In this visit Mr. Ranjit Kumar Sahoo, Social Safeguard Specialist, NAHEP, New Delhi, Ms. Indira Prakash, Environmental Safeguard Specialist, NAHEP, New Delhi were present. During this visit Dr. Y. G. Fulpagare, Associate Dean, PGI, MPKV, Rahuri Dr. M. C. Ahire, Associate Dean, COA, Dhule, Dr. S. D. Gorantiwar, PI, CAAST-CSAWM, Dr. M. G. Shinde, Co-PI, CAAST-CSAWM. Dr. S. B. Nandgude, I/C, PME Cell and Head, Dept. of SWCE, MPKV, Rahuri and Dr. P.L. Kulwal, Nodal Officer, ESP, MPKV,



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D. Gorantiwar, PI, CAAST-CSAWM, Dr. M. G. Shinde, Co-PI, CAAST-CSAWM. Dr. S. B. Nandgude, I/C, PME Cell and Head, Dept. of SWCE, MPKV, Rahuri and Dr. P.L. Kulwal, Nodal Officer, ESP, MPKV, Rahuri were present. During this visit Dr. Gorantiwar presented objectivewise progress of the different activities, research and extension which were conducted under this project. An interaction session was organized with students of MPKV, Rahuri with NAHEP experts, New Delhi. During this interaction session the students interacted with the experts. The 20 students who had successfully completed one-month International level training at AIT, Bangkok, Thailand and other students from central campus, Rahuri shared their experiences with the expert. After that the NAHEP experts took review regarding ESP, EAP and GRM activities and progress of university presented by nodal officers. They evaluated the progress by visiting the new building of CAAST-CSAWM and different research fields of the CAAST-CSWAM project and appreciated the performance of project and also suggested to plan all research activities with consideration to environment and which would help to reduce carbon footprints.

Workshop on Social Science Course Curriculum Development for PG Diploma organized at Pune



March 7-8, 2020. A two day workshop on Social Science Course Curriculum Development for Post Graduate Diploma in Climate Smart Agriculture and Water Management was organized at CAAST-CSAWM, Sub Centre, College of Agriculture, Pune with objective to finalize course contents of social science courses under module 1 and 4. This two days' workshop was started with an informal opening-cum-welcome ceremony by Dr. M. C. Ahire, Associate Dean, College of Agriculture, Dhule and Workshop Organizing Secretary. The inaugural function was chaired by Dr. K. D. Kokate, Former DDG (Agricultural Extension), ICAR, New Delhi and Director of Extension Education, MPKV Rahuri, co-chaired by Dr. V. V. Sadamate, Agricultural Extension Specialist and Former Advisor, Agriculture, Planning Commission, GoI, New Delhi and Dr. D. V. Deshpande, HoD, MDP and Professor, Centre for Management Development programme, VAMINICOM, Pune. Dr. Ahire

in his introductory remarks briefed about the workshop. Dr. Kokate in his inaugural address narrated the importance of the social science and their courses for Climate Smart Agriculture and Water Management. During the technical sessions the invitees, experts deeply and critically reviewed eight social sciences courses their objectives, importance and course contents including theory and practical. On second day, six social sciences courses were critically reviewed along with suggestions and comments on each for their improvements. Total 25 experts from different institutes participated in this two-day workshop. Dr. S. N. Ghadge, Research Associate anchored the programme and Dr. S. A. Dhenge, Research Associate expressed vote of thanks.

Expert lecture on Aeroponics organized at MPKV, Rahuri



March 17, 2020. An Expert lecture on Aeroponics was organized by CAAST-CSAWM, MPKV, Rahuri for students and faculty. The expert lecture started with welcome ceremony in the presence of Dr. S. R. Gadakh, Director of Research and Extension Education. Dr. S. D. Gorantiwar, Principal Investigator, CAAST-CSAWM, Dr. M. G. Shinde, Co-Principal Investigator, CAAST-CSAWM, faculty and CAAST-CSAWM members were present for the lecture. Er. K. Prabhu Sankar, Business Incubator and

TBI Incubatee, Coimbatore delivered a lecture on Aeroponics. The expert shared his knowledge about aeroponics technology, climate control, toxin free plant protection process, automation, toxin free mineral nutrient regime, standard cultural practices for crops. He also explained the monitoring and analysis of aeroponics based farming through cloud infrastructure. He also gave the idea about the aeroponics crops and its revenue projection. Dr. Shinde introduced the guest. Dr. V. P. Kad, Head, Dept. of APE, Dr. ASCAET was the organizing secretary for this lecture. Dr. S. R. Gadakh gave his presidential remarks for the lecture and guided for adaptation of such technology at MPKV campus. Dr. Gorantiwar in his remarks shared the planning of aeroponics training for staff. All staff of Dr. ASCAET and PGI, MPKV, Rahuri were present for the lecture. Dr. P. B. Jadhav, RA (IDE) and Dr. M.A. Patil, RA (IDE) coordinated the lecture. Dr. Shinde expressed vote of thanks.

Farmers workshop on Advanced irrigation system and fertilizer management organized



March 4-6, 2020. A three days farmers workshop on Advanced irrigation system and fertilizer management was organized in collaboration with CAAST-CSAWM, Dept of IFD-IWM, MPKV, Rahuri and IFFCO, New Delhi. Dr. S.D. Gorantiwar, Principal Investigator, CAAST-CSAWM was the Convener of the workshop. The Organizing Secretary of the workshop was Dr. M. S. Mane, Head, Dept. of IFD-IWM. Topics on Information and communication technology for irrigation water

management, micro irrigation concept, care, maintenance and operation, its advantages, its layout, fertilizer management through micro irrigation, use of organic farming for enhancing crop productivity, management of onion crop were covered in this workshop by different experts from MPKV, Rahuri. Dr. Ranjit Kumar Sahoo, Social Safeguard Specialist and Dr. Indira Prakash, Environmental Safeguard Specialist, NAHEP (World Bank Expert) were present for the valedictory function of the workshop. Both of them gave their remarks. The workshop was concluded under the chairmanship of Dr. S.R. Gadakh, Director of Research and Director of Extension Education, MPKV, Rahuri. He appreciated about arrangement of such workshop for farmers. Dr. Pradnya Jadhav, RA(IDE) and Dr. Mangal Patil RA (IDE) coordinated the workshop. Dr. D.D. Khedkar anchored the workshop. Dr. Mane expressed vote of thanks.

Exposure visit on Agro climatic networking at Bamburdi Gumut village



March 11, 2020. The CAAST-CSAWM, MPKV, Rahuri had organized a visit on Agro climatic networking at Bamburdi Gumut village of Ahmednagar district. On this occasion Dr. H.G. More, former Director of Extension, MPKV Rahuri, Mr. Arun Deshmukh, AGM, Sugarcane Project and Head, Agronomy Division, Netafim Irrigation India, Pvt.Ltd., Pune, Dr. S. D. Gorantiwar, PI, CAAST-CSAWM and Head, Agril. Engg., Dr. M.G. Shinde,

Co-PI, CAAST-CSAWM, *Sarpanch, Upsarapanch*, all the Grampanchyat members, villagers, farmers and ten research associates from CAAST- CSAWM project were present. During this visit Mr. Deshmukh guided the farmers regarding technology for irrigation water management, micro irrigation concept, care, maintenance and operation, its advantages, layout, fertilizer management through micro irrigation. Dr. Gorantiwar explained different research and extension activities which were conducted under this project. In this exposure visit progressive farmers and scientists from MPKV, Rahuri visited cropping system, varieties of crops, poultry, dairying industry, organic fertilizer project, vermi composting project, horticulture field etc.

Farmers training programme organized at Buchkewadi village



March 13, 2020. A one day farmers training programme on Fruit Crop Production and Insect Pest Disease Management was organized by CAAST-CSAWM, MPKV, Rahuri at Buchkewadi village, Tal. Junnar, Dis. Pune. Dr.M.C. Ahire, Associate Dean, College of Agriculture, Dhule was the Organizing Secretary for this training programme. Farmers were trained on management of mango orchard, pest and disease management of onion and grapes, guava pruning technology and pest and disease management of pomegranate by

