

## See-off function for first batch of PG students for International Training at Asian Institute of Technology, Bangkok, Thailand under CAAST - CSAWM Project



November 9, 2019. A See-off function for the first batch of International Training was organized by CAAST-CSAWM project at College of Agriculture, Pune. The programme was inaugurated by Vice Chancellor Dr K. P. Viswanatha. Shri. Sopan Kasar, Registrar MPKV, Rahuri, Dr. D. D. Pawar, Associate Dean, Dr. ASCAE&T, MPKV, Rahuri, Dr. P. N. Rasal, Associate Dean, College of Agriculture, Pune, Dr. S. D. Masalkar, Principal, College of Horticulture, Pune, Dr. S. D. Gorantiwar, Principal Investigator, CAAST-CSAWM project, Dr. M. G. Shinde, Co-PI, CAAST-CSAWM, MPKV, Rahuri, Dr. P. B. Kharde, Office In-charge, Communication Centre, MPKV, Rahuri, Co-PIs Dr. R. P. Andhale and Dr. A. A. Atre, Shri. Surayakant Shejwal, PAO, MPKV, Rahuri were present on this occasion. Vice Chancellor Dr. K.P. Viswanatha congratulated students and gave best wishes to students for international training. Under CAAST-CSAWM project 20 PG (M.Sc./M.Tech./Ph.D.) students from different disciplines and Dr. A.A. Atre, Professor of Agril. Engg. were selected for this training. The 1st batch of 20 PG students along with one faculty departed for one month International Training entitled Drones and It's applications Google Earth Engine to be held during 11<sup>th</sup> November, 2019 to 10<sup>th</sup> December, 2019 at Asian Institute of Technology, Bangkok, Thailand. Dr. S. D. Gorantiwar, Principal Investigator, Dr. M. G. Shinde, Co-PI, CAAST-CSAWM project, Dr. Mangal Patil and Er. Kalpesh Borse took efforts for organizing this international training. Dr. Mangal Patil anchored the programme, while, Dr. R. P. Andhale proposed vote of thanks

### National Training Programme organized

November 14 to December 4, 2019. A twenty one day National Training Programme on National Problems and Constraints in Fruit Crops sponsored by ICAR, New Delhi was organized by the Centre of Advanced Faculty Training in Horticulture (Fruits), Department of Horticulture at MPKV, Rahuri. Vice Chancellor Dr. K. P. Viswanatha inaugurated the programme. Dr. A. L. Pharande, Dean, Faculty of Agriculture, Dr. S. R. Gadakh, Director of Research, Shri. Sopan Kasar, Registrar, Dr. Y. G. Fulpagare, Associate Dean, PGI, Dr. S. A. Ranpise, Head, Department of Horticulture and Dr. B. B. Dhakre, Professor of Horticulture and



Convener were present for the programme. Dr. Viswanatha in his inaugural address hoped that the training programme would update the faculty knowledge on problems and constraints in fruit crops. MPKV has a great contribution in fruit crops and horticulture is very important component under the integrated farming system for doubling farmers income, he said. Dr. Pharande said that the scenario of horticulture is encouraging but at the same time we have several challenges. Dr. Gadakh cited the success story of Ajnale village where farmers are incurring huge returns from pomegranate crop. Dr. Ranpise in his welcome and introductory address informed that 488 faculty have been trained through 28 training programmes under CAFT. Dr. Sumati Dighe anchored the programme, while, Dr. Dhakre proposed thanks. Twenty five faculty from nine states of the country participated in this training programme.

### **Training programme on Bee keeping, climate change and sustainability organized**

November 22-23, 2019. A two day training programme on Bee keeping, climate change and sustainability was organized in the university. The programme was sponsored by National Agriculture Higher Education Project under the Centre for Advanced Agricultural Science and Technology for Climate Smart Agriculture and Water Management (CAAST-CSAWM). Vice Chancellor Dr. K. P. Viswanatha presided over the inaugural programme. Dr. S. R. Gadakh, Director of Research and Extension Education, Mr. B. V. Apoorva and Mr. P. R. Badriprasad, Apiculture experts from Karnataka, Dr. Y. G. Fulpagare, Associate Dean, PGI, Dr. S. D. Gorantiwar, Head, Department of Agril. Engg. and PI,



CAAST-CSAWM project and Dr. C. S. Patil, Head, Department of Entomology were present for the programme. Vice Chancellor Dr. K. P. Viswanatha in his inaugural address felt the need for increasing the awareness of honey bee and its benefits among the farmers. Bees are the best friends of farmers and we need to learn the work culture and discipline of honey bees, he said. Apiculture helps in enhancing crop production, he said. Dr. Gadakh said that around 30 per cent increase in yield have been observed through cross pollination by honey bees. Dr. C. S. Patil in his introductory and welcome remarks said that bees are essential pollinators for crops. Dr. Gorantiwar appraised of the CAAST-CSAWM programme. Dr. B. A. Deshmukh anchored the programme, while, Dr. M. G. Shinde proposed thanks. Staff and PG students participated in the training programme.

### **Model Training programme on Processing and Value Addition organized**



November 18-25, 2019. A Model Training Programme on Processing and Value Addition Technology in Fruits and Vegetables sponsored by Ministry of Agriculture and Farmers Welfare, GoI was organized by the Department of Food Science and Technology at MPKV, Rahuri. Dr. Y. G. Fulpagare, Associate Dean, Post Graduate Institute inaugurated the training programme. In his address to the trainees Dr. Fulpagare emphasized on the importance of

processing and value addition of fruits and vegetables. He said that this is a good platform for refreshing our knowledge on this important aspect. Youths in rural areas can be trained on processing of farm produce and their entrepreneurial capabilities need to be enhanced. This would add to employment of rural youth, he said. Dr. U. D. Chavan, Head, Department of Food Science and Technology in his introductory and welcome address briefed about the importance of the topic. Dr. G. K. Waman anchored the programme, while, Dr. P. M. Kotecha expressed thanks. Twenty two trainees from SAUs and Department of Agriculture from the country participated in this training programme. The concluding programme was organized in presence of Associate Dean Dr. S. A. Ranpise and certificates were distributed to the trainees.

### **Training programme on Soft Skills for Personality Development organized**

November 18-19, 2019. Dr. Y. G. Fulpagare, Associate Dean, PGI inaugurated the training programme on Soft Skills for Personality Development organized by the Department of Agriculture Extension and Communication in coordination with the Extension Education Institute, Anand (Gujarat) at MPKV, Rahuri. In his address Dr. Fulpagare narrated the importance of soft skills particularly in effective communication and development of one's personality. Personality development is a lifelong process but proper training is required at student age. Dr. Mahesh Patel, Director of the course, EEI, Anand gave a preamble of the programme. Dr. G. K. Sasane, I/C, Head, Department of Agriculture Extension and Communication gave the introductory and welcome remarks. Dr. S. B. Shinde, Professor of Agril. Extension, College of Agriculture, Pune also addressed the trainees. Dr. M. B. Dhadwad anchored the programme, while, Dr. P. B. Kharde proposed thanks. More than fifty trainees participated in this training programme. The valedictory



programme was conducted in presence of Dr. S. R. Gadakh, Director of Research and Extension Education and Dr. Y. G. Fulpagare, Associate Dean, PGI. Dr. Gadakh hoped that the training would help the staff and students in handling difficult situations and managing stress. Certificates were distributed to the trainees.

### **Mahatma Phule *Punyatithi* celebrated**



November 22, 2019. The death anniversary of great social reformer Mahatma Jyotiba Phule was celebrated in the university. The Chief Guest Dr. Prahlad Lulekar, Head, Department of Marathi, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad delivered a lecture on the life of Mahatma Phule. Dr. A. L. Pharande, Dean, Faculty of Agriculture presided over the programme. Dr. S. R. Gadakh, Director of Research and Extension

Education, Shri. Sopan Kasar, Registrar, Dr. D. D. Pawar, Associate Dean, DrASCAE&T, Heads of Department Dr. M. C. Ahire, Dr. S. D. Gorantiwar, Dr. R. M. Naik, Dr. B. D. Bhakare, Dr. Mahaveer Chouhan, Student Welfare Officer and Shri. Dilip Gaikwad, Sports Officer were present on the dais. Dr. Lulekar in his speech narrated the contribution of Mahatma Phule towards agriculture. He had a great vision towards agriculture and farmers. He put forward revolutionary ideas and made efforts to implement them. Dr. Pharande in his presidential address said that we are proud that the university is named after this great social reformer. Shri. Kasar gave the welcome and introductory remarks. Dr. Gadakh introduced the Chief Guest. Student Mr. Suraj Kulkarni anchored the programme, while, Dr. Chouhan expressed thanks. Staff and students attended the programme.

## CAAST - CSAWM Project Activities

### Training programme on Hyperspectral Remote Sensing organized

November 13-14, 2019. A two days training programme on Hyperspectral Remote Sensing, Thermal and 3D Lidar sensor based on precision farming and water resource management was organized by CAAST-CSAWM at MPKV, Rahuri. Dr. S. A. Kadam, Assistant Professor and Training Organizing Secretary in his introductory remarks introduced the dignitaries and delegates of the training programme. Mr. Asim Mahakul, Electronic Engineer from Nu-Tech International, New Delhi explained the importance of Thermal remote sensing, what is thermal remote sensing? How does thermal sensor work? Thermal sensor data collection, acquisition techniques for thermal imaging advantages and disadvantages to the participants. Dr. J. Rajesh, Research Associate anchored the programme, while, Dr. C. B. Pande, Research Associate proposed vote of thanks.

### Workshop on Agriculture drone for spraying applications organized



November 22, 2019. A one day workshop on Agriculture drone for spraying applications was organized by CAAST-CSAWM at Dr. ASCAE&T, MPKV, Rahuri. Dr. S. M. Nalawade, Organizing secretary, CAAST-CSAWM gave a brief introduction about training session and guest faculty Mr. Ajit Kharjul from ASAP Agritech LLP, Eklahare, Nashik and Dr. S. A. Kadam, IDE guided the trainees. The first half of the day was followed with detailed

presentation on various aspects of UAV applications. The participants were understood the concept of UAV, advanced technologies and its applications in agriculture sectors. In the second half of the day, participants were engaged with the demonstration of spraying UAV at IWM Farm. The session was followed by interaction with the participants and discussions on new technologies of UAV which can be deployed in the agriculture sector. The programme was attended by 23 participants who found it to be very useful and knowledgeable to add value to their designs. Dr. G. B. Bhanage, Research Associate anchored the programme.

### Expert lecture on Water Productivity: Status and Strategies for improvement organized



November 27, 2019. An Expert Lecture on Water Productivity : Status and Strategies for Improvement was organized at MPKV, Rahuri for PG students. The expert lecture was started with an informal opening-cum-welcome ceremony in the presence of Dr. S. D. Gorantiwar, Principal Investigator, CAAST-CSAWM and other CAAST members. Dr. R. K. Nema, Dean, Faculty

of Agricultural Engineering, JNKVV, Jabalpur delivered the lecture on Water Productivity: Status and Strategies for improvement for the students. Dr. Mangal Patil, Research Associate anchored the programme.

### Workshop on Smart Irrigation and Water Productivity organized



November 27, 2019. A one day workshop on Smart Irrigation and Water Productivity was organized at CAAST-CSAWM, MPKV, Rahuri for PG students. Dr. D. D. Pawar, Associate Dean, Dr. ASCAE&T inaugurated the workshop and briefed the importance of smart irrigation and water productivity. Dr. S. D. Gorantiwar, Principal Investigator, CAAST-CSAWM project gave the introductory remarks and briefed about the objectives of the workshop. The resource persons in experts talk for the one day workshop were Dr. R. K. Nema, Dean, Faculty of Agricultural Engineering, JNKVV, Jabalpur who spoke on status of agricultural water productivity and strategy to improve and Er. Ravindra Jadhav, Assistant Manager, Netafim Irrigation India Pvt. Ltd presented irrigation system with a brain. Dr. Mangal Patil, Research Associate anchored the programme.



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