

Two Weeks Online Training Course on

Advances in Smart Food Processing Technologies

June 04-15, 2020भारत
ICAR**NAHEP** **About**

The project entitled "**Center for Advanced Agricultural Science and Technology (CAAST) on Climate Smart Agriculture and Water Management (CSAWM)**" is being implemented in Mahatma Phule Krishi Vidyapeeth (An Agricultural University), Rahuri, Maharashtra under World Bank Sponsored National Agricultural Higher Education Project (NAHEP) of Indian Council of Agricultural Research (ICAR), New Delhi, Government of India, Since 2018.

One of the major objectives of CAAST-CSAWM project is to develop the capacity amongst the faculties and students of MPKV Rahuri and other Agricultural Universities and related organizations for the development and adoption of the precise climate smart agriculture and water management technologies as well as to conduct on-the-job training and case study based learning to enhance the employment and placement rate; and business and entrepreneurship opportunities.

Under changing global scenario and conscious approach, the quality, competitive pricing, environmental sustainability are the key elements of agricultural production system. With a view to focus the attention on handling and processing; and to tackle specific areas to arrive at practical recommendations, scientific efforts should be made to develop technologies for horticultural crops. There is a need to develop protocol for post harvest handling of this crops. This protocol includes harvesting, sorting, grading, packaging which could be very remunerative.

Several by-products are very popular from these horticultural crops but need to be explored commercially. Strengthening of handling and processing research; and establishment of processing unit at different locations will serve the training purpose and encourage the youth to come forward to be entrepreneur in processing industries.

With this view, two weeks online training course on "**Advances in Smart Food Processing Technologies**" is being organized by CAAST-CSAWM, MPKV, Rahuri from **June 04-15, 2020** through **online mode**.

Objectives

- To provide knowledge of advanced food processing technologies.
- To impart knowledge about the global scenario of food processing and value addition industries.
- To generate understanding about global food safety and quality standards.
- To expose the participants for advanced processing, packaging methods, marketing strategies and export systems.

No Registration Fee

Who can apply

Faculties, Scientists, Staff and Students of Mahatma Phule Krishi Vidyapeeth, Rahuri and other Agricultural Universities, KVK SMS, Food processing Institutes/Organizations and Food processing experts from Agriculture Departments are eligible to register and are requested to take advantage of the online training course during this lock down time.



Instructions

- Participants need to register by clicking on the link below and should provide an active email id and WhatsApp number for further communication.
- The interested candidates can register here: <https://bit.ly/36MELd1> on or before 01 June, 2020 (1700 hrs)
- The online training will be available to 100 registered eligible candidates (50 candidates of MPKV, Rahuri and 50 candidates of other Agricultural Universities/ Organisations).
- List of selected participants will be displayed on 02 June, 2020 at www.mpkv-caast.ac.in.
- Daily lectures through on-line platform will be conducted along with online discussions and tutorials.
- QR coded Certificates will be issued to those participants only who will complete all online sessions and assignments/tutorials.
- Full on campus advanced training on different aspects may be conducted after lockdown period is over at appropriate time and preference will be given to those who participate in this course.

Communication about the selection

The WhatsApp group of the selected candidates will be formed at least one day before the start of the training programme and all the communications regarding the training programme will be posted on this WhatsApp group. Alternatively the candidates can keep accessing the CAAST-CSAWM website (www.mpkv-caast.ac.in) regarding the selection, preferable on the day before the start of the training programme.

Important

The training sessions will also be live streamed through YouTube channel and the links will be available on CAAST-CSAWM website (www.mpkv-caast.ac.in). All those who could not apply and not selected are informed to access to the YouTube links.

Experts

- Dr. R. T. Patil**, Former Director, ICAR-CIPHET, Ludhiana
- Dr. N. C. Saha**, Chairman, India Bio Mass project under INDUS & Former Director, Indian Institute of Packaging
- Dr. N. J. Thakor**, Former Dean, Faculty of Agricultural Engineering, Dr. BSKKV, Dapoli
- Dr. Rajeshwar Matche**, Chief Scientist, Food Packaging Technology, Professor, AcSIR, CSIR-CFTRI, Mysore
- Dr. S. K Nanda**, Former Head (Food Grain and Oil Seeds Processing Division) and Former PC (PHT) ICAR-CIPHET, Ludhiana
- Dr. P. C. Bargale**, Principal Scientist & Head, Technology Transfer Division, ICAR-CIAE, Bhopal
- Dr. Ashish K. Singh**, Principal Scientist, Dairy Technology Division, NDRI, Karnal
- Dr. K. Narsaiah**, I/c Head AS&EC, Principal Scientist (AS&PE), ICAR-CIPHET, Ludhiana
- Dr. Suvrat Kumar Singh**, Former Business Head, Amrit Hatcheries Pvt. Ltd. and Professor, SHIATS University Allahabad
- Er. Vilas Shinde**, Chairman & Managing Director, Sahyadri Farmers Producer Company Ltd., Nashik
- Mr. Shrikrishna Gangurde**, Director, AV Broilers, Nashik
- Dr. K. U. Methekar**, Deputy Director FSSAI Western 902, Halmark business plaza, Opposite to Gurunanak Hospital, Mumbai
- Dr. Sharangouda Hiregoudar**, Associate Professor and Head, Centre for Nanotechnology, CAE, UAS, Raichur, Karnataka
- Dr. Prakash Aute**, Zonal Head (Fresh Product Division) GCMF Ltd. Mumbai
- Mr. Santosh Karale**, Proprietor, Nihira Food Engineering LLP, PCNTDA, Bhosari, Pune
- Dr. Chandrashekhar Sonar**, Research Associate, Washington State University, USA
- Mrs. Sumedha Jalgaonkar**, Food Safety Consultant, Auditor and Trainer
- Mr. Sameer Saxena**, Assistant General Manager (QA & NPD), GCMF
- Mr. Avinash Wagh**, Regional Manager, Grainpro INC (Post Harvest Solutions for Dried Agricultural Commodities), Pune
- Mr. Swapnil Kharde**, Digital Marketing Consultant and Assistant Professor, IMERT, Pune



Principal Investigator (CAAST-CSAWM) and Head (Ag.Engg.), MPKV Rahuri



भा.कृ.अनु.
ICAR



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ICAR- National Agricultural Higher Education Project (NAHEP)

**Centre for Advanced Agricultural Science and Technology for Climate
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Mahatma Phule Krishi Vidyapeeth, Rahuri

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Two Weeks Online Training Course on

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Technical Pogramme

Date	Experts	Topic	Time
Day 1 04/06/2020	Online Inaugural Function		10.00 am to 11.00 am
	Mrs. Sumedha Jalgaonkar Food Safety Consultant, Auditor and Trainer	Food safety and international food safety standards for food industries	04.00 pm to 05.30 pm
Day 2 05/06/2020	Dr. N. J. Thakor Ex. Dean, Faculty of Agricultural Engineering, Dr. BSKKV, Dapoli	Cold chain management of Food materials	10.00 am to 11.30 am
	Mr. Avinash Ramchandra Wagh Regional Manager South Asia & Middle East, Grainpro INC (Post Harvest Solutions for Dried Agricultural Commodities.) , Pune	Smart handling and storage of food grains	04.00 pm to 05.30 pm
Day 3 06/06/2020	Dr Ashish K. Singh Principal Scientist Dairy Technology Division, NDRI, Karnal	Advances in smart processing of dairy and milk product	10.00 am to 11.30 am
	Dr. K. U. Methekar Deputy Director FSSAI Western 902, Halmark business plaza, Opposite to Gurunanak Hospital, Bandra East, Mumbai	Smart food processing and FSSAI	04.00 pm to 05.30 pm
Day 4 07/06/2020	Dr. Sharangouda Hiregoudar, Associate Professor and Head, Centre for Nanotechnology, College of Agricultural Engineering, UAS, Raichur, Karnataka	Application of nanotechnology in food and agriculture	10.00 am to 11.30 am
	Dr. Prakash Aute Zonal Head (Fresh Product Division) GCMMF Ltd. Mumbai	Advances in dairy processing and marketing	04.00 pm to 05.30 pm
Day 5 08/06/2020	Dr. Rajeshwar Matche, Chief Scientist, Food packaging Technology, Professor, AcSIR, CSIR-CFTRI, Mysore.	Recent advances in smart food packaging	10.00 am to 11.30 am
	Dr. P. C. Bargale Principal Scientist & Head, Technology Transfer Division, ICAR-CIAE, Bhopal	Entrepreneurship development opportunities based on ICAR CIAE, Bhopal technologies	04.00 pm to 05.30 pm
Day 6 09/06/20 20	Dr. N. C. Saha, Chairman, India Bio Mass project under INDUS & Former Director, Indian Institute of Packaging	Innovative smart packaging for food products	11.30 am to 01.00 pm
	Mr. Shrikrishna Gangurde Director, AV Broilers, Nashik	Recent advances of agriculture for food, feed and energy	04.00 pm to 05.30 pm
Day 7 10/06/2020	Mr. Sameer Saxena, Asst.General Manager (QA & NPD)	Maintaining Quality - The Amul Way	10.00 am to 11.30 am

Date	Experts	Topic	Time
Day 8 11/06/2020	Dr. Chandrashekhar Sonar Research Associate, Washington State University, USA	Microwave-assisted and pressure-assisted thermal processing and packaging consideration	10.00 am to 11.30 am
	Mr. Santosh Karale Prop. Nihira Food Engineering LLP, PCNTDA, Bhosari, Pune	Smart modular food processing units	04.00 pm to 05.30 pm
Day 9 12/06/2020	Mr. Swapnil Kharde Digital Marketing Consultant and Assistant Professor, IMERT, Pune	Advance E- platforms for marketing in food processing industries	10.00 am to 11.30 am
	Dr. R. T. Patil Ex. Director, CIPHET, Ludhiana	Advances in food processing using smart microwave technologies	06.00 pm to 07.30 pm
Day 10 13/06/2020	Dr. K. Narsaiah I/c Head AS&EC, Pr. Scientist (AS&PE), CIPHET, Ludhiana	Microencapsulation of bioactive food ingredients	10.00 am to 11.30 am
	Dr. N. J. Thakor Ex. Dean, Faculty of Agricultural Engineering, Dr. BSKKV, Dapoli	Application of nanotechnology in smart Food processing	04.00 pm to 05.30 pm
Day 11 14/06/2020	Dr. Suvrat kumar Singh, Former Business Head, Amrit Hatcherries Pvt. Ltd, Former Vice President Operations, Indian Broiler company & Professor Dept. of Food Process Engineering SHIATS University Allahabad	How to setup the food processing industry?	10.00 am to 11.30 am
	Dr S.K Nanda, Ex. Head (Food Grain and Oil Seeds Processing Division) and Former PC (PHT) ICAR-CIPHET, Ludhiana	Advances in Bio based Biodegradable packaging for horticultural produce	04.00 pm to 05.30 pm
Day 12 15/06/2020	Er. Vilas V. Shinde Chairman & M.D., Sahyadri Farmers Producer Company Ltd., Nashik	Opportunities and challenge of food products export from India	10.00 am to 11.30 am
	Online Valedictory Function		04.00 pm to 05.00 pm



Website: <https://www.mpkv-caast.ac.in>



LinkedIn: <https://www.linkedin.com/company/ccsawm>



Facebook: <https://m.facebook.com/ccsawm/>



Twitter: <https://mobile.twitter.com/CCsawm>



YouTube: https://www.youtube.com/channel/UCes_cc0eScXBcf12pOx7C_A



Instagram: <https://www.instagram.com/ccsawm>

Online training programmes/webinars organised during lockdown period by CAAST-CSAWM (NAHEP), MPKV, Rahuri

Sr. No.	Title online Training programme	Duration of Trainings/Webinars
Training Programmes (National and International)		
1	Fundamentals of Digital Marketing	07-11 April, 2020
2	Digital Farming in context of Precision Water Management	09-13 April, 2020
3	Personality Development and Effective Communication, Skills and Stress Management	14-18 April, 2020
4	Fuzzy logic and its applications for Climate Smart Agriculture	16-19 April, 2020
5	Fundamentals of Digital Marketing	20-24 April, 2020
6	e- Resources of Libraries and Publication Ethics	20-24 April, 2020
7	"Protected Cultivation Technologies for Climate Smart Agriculture	21-28 April, 2020
8	"Fundamentals of Drone Technology for Precision Agriculture	25-29, April 2020
9	Introduction to MATLAB and its Applications in Climate Smart Agriculture	25-30 April, 2020
10	Aeroponics and Hydroponics Technologies for Precision Agriculture	25-29 April, 2020
11	Advanced Agro meteorological Techniques for Climate Smart Agriculture	30 April-04 May, 2020
12	शेतीमालाच्या विपणनासाठी डिजिटल तंत्रज्ञानाचा वापर	30 April-04 May, 2020
13	Fundamentals of Pressurized Irrigation Methods	May 5-10, 2020
14	Introduction to Python Programming and its Applications in Climate Smart Agriculture	May 07-10, 2020
15	Smart Handling and Processing Systems of Horticultural Produce	09-14 May, 2020
16	Carbon Sequestration in Climate Smart Agriculture	11-13 May, 2020
17	One Week Online Farmers Training Programme on Use of Organic Farming Inputs, Production, Certification and Marketing System	11 -15 May, 2020
18	Machine Learning and its Applications in Climate Smart Agriculture"	15-17 May, 2020
19	Climate Change and its effect on pest and disease	17-18 May, 2020
20	Conservation Agriculture based Crop Management Technologies in Climate Smart Agriculture	18-22 May, 2020
21	Farmers Producer Organization for Sustainable Income	22-27 May, 2020
22	Use of Media for Transfer of Agriculture Technology	24-28 May, 2020
23	Fundamentals of Robotics for Precision Agriculture	26-30 May, 2020
24	शेतकरी उत्पादक कंपनीच्या माध्यमातून शास्वत आर्थिक विकास	22-24 May, 2020
25	प्रसार माध्यमांचा कृषि तंत्रज्ञान प्रसारात प्रभावी वापर	24-28 May, 2020
26	बदलत्या हवामानात डाळिंब लागवडीतील आव्हाने व उपाय	29-30 May, 2020
27	Advances in Smart Food Processing Technologies	04-15 June, 2020
Webinars		
28	Live Webinar Series on Applications of In Omics Climate Smart Agriculture	30 April - 2 May, 2020
29	Live Webinar Series on "Soil Dynamics for Smart Machineries"	18-21 May, 2020