



NAHEP



WORLD BANK



ICAR

One-week International online Training Programme

“Advance Digital and Biotechnological Tools in Modern Agriculture”

4 - 8 June, 2020



ABOUT

The Center for Advance Agricultural Science and Technology (CAAST) for Digital Farming Solutions For enhancing Productivity by Robots Drones and AGV'S (DFSRDA), Vasantnao Naik Marathwada Krishi Vidyapeeth, Parbhani, Maharashtra & Vilasrao Deshmukh College of Agricultural Biotechnology, Latur is Organizing a one week online International Training programme on “Advance Digital and Biotechnological Tools in Modern Agriculture” from 04 to 08, June 2020. Due to ongoing COVID -19 crises, most of us are restricted to work remotely. So, our Center is taking initiative of organizing talks by established scientist experts in their respective areas through this virtual training.

Talking about our CAAST-DFSRDA center, it is proposed on 50:50 cost sharing basis between the World Bank and the Government of India, implemented at VNMKV, Parbhani (M.S.) India (Agriculture University). One of the main objectives of CAAST-DFSRDA, VNMKV Center is developing a holistic model to raise the standard of current agricultural education system that provides career opportunities to PG, Ph.D. students. Additionally this shoulders a responsibility of promoting entrepreneurial attitude of students and professionals alike.

BACKGROUND

In the last few decades, agriculture entered into the modern world through varietal and hybrid development, nutrient management, advanced crop protection and post harvest management. Biotechnology paved the way to boost modern agriculture through transgenics for crop protection, expedited varietal developments through molecular breeding, rapid production of uniform tissue culture plants, increased understanding in precision nutrient management, and enhancing overall nutrition and produce quality. Furthermore, agriculture biotechnology aims to find sustainable solutions to withstand abiotic stresses such as drought and salinity and stabilize crop yields. Yet, several scientific challenges exist and we are just beginning to understand the power of modern tools and techniques in finding new relevant information that could be filled in for complete understanding of various biological processes. This online training would provide an outstanding opportunity to learn advances in crop research, various tools and techniques, scientists routinely use in their research along with technical or scientific challenges that are being addressed through biotechnological approaches. The online training also provides an opportunity to interact with scientists to learn and think about “out-of-the-box” career opportunities in agricultural biotechnology.

AIM

The online training aims to discuss leading-edge technologies and recent scientific developments in addition to the immediate challenges in agriculture and allied sectors. It will aim to familiarize students and professionals in biotechnology about current research trends, relevant cutting-edge technologies for high-throughput analysis and interdisciplinary areas that are embraced in leading laboratories.

OBJECTIVE

- Update on basic understanding of the technical Skills involved in biotechnology relevant to agriculture.
- Familiarize with high-throughput (NGS and omics) technologies in modern agriculture research.
- Provide Technical Knowledge on innovation glass and photovoltaic technologies in protected cropping
- Impart Knowledge for ‘designer crops ‘using genome editing tools.
- Familiarize with biotechnological approaches for integrated pest management.

TARGET AUDIANCE

PG, Ph.D. Students, Faculties, Scientists and Staff of Vasantnao Naik Marathwada Krishi Vidyapeeth, Parbhani, other State Agricultural Universities and Non agriculture universities within country and abroad from the area of Biotechnology. The Research fellows working in various National/ International adhoc schemes are eligible to register and are requested to take advantage of the online training course during this COVID- 19 lock down period.

Patron



Dr. A.S. Dhawan
Hon. Vice - Chancellor,
VNMKV, Parbhani

Chief Convenor



Dr. R.C. Agrawal
National Director,
NAHEP, ICAR, New Delhi

Chief Guest



Prof. Dr. Neena Mitter
Centre Director, University of
Queensland, Brisbane, Australia

Chief Co-Convenor



Dr. Prabhat Kumar
National Co Ordinator,
NAHEP, ICAR, New Delhi



Dr. D.N. Gokhale
Director of Instruction & Dean (F/A)
VNMKV, Parbhani

Convenor



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PI, NAHEP, CAAST DFSRDA
VNMKV, Parbhani

Co-Convenor



Dr. B.S. Indulkar
Associate Dean and Principal
VDCOAB, Latur, VNMKV Parbhani

ORGANIZING SECRETARY



Dr. A.A. Bharose
Associate Professor
Dept. of Plant Biotechnology, VDCOAB, VNMKV Parbhani

RESOURCE PERSONS



Dr. Charles Robin
Associate Professor,
University of Melbourne, Australia



Dr. Prashant Swamy
Scientist, Washington State
University, USA



Dr. Sachin Chavan
Faculty, Western Sydney
University, Australia



Dr. Amol B. Ghodke
Faculty, University of
Queensland, Brisbane, Australia



Dr. Prashant G. Kawar
Principal Scientist,
ICAR-DFR, Pune



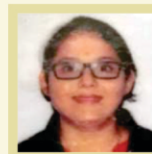
Dr. Rukam Singh Tomar
Asso. Professor Junagadh
Agriculture University, Gujrat



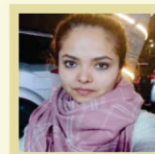
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Senior Scientist
ICAR-CICR, Maharashtra



Dr. Sajad Majeed Zargar
Asst. Professor, SKUAST-Kashmir,
Visiting Professor at Univ. of Padova, Italy



Dr. Madhuri C. Pagariya
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Dr. Sanskriti
Shyama Prasad Mukherjee
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TRAINING CO-ORDINATOR



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Er. Apurva Deshmukh
JE(ELECT), NAHEP,
CAASt-DFSRDA, VNMKV, Parbhani

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- VNMKV website (<https://nahep.vnmkv.org.in/>) regarding the selection, preferable on the day before the start of the training programme.
- Participants need to register by clicking on the link above and should provide an active email ID and WhatsApp number for further communication. If email ID and WhatsApp number are not appropriate, you may not receive any communications.
- Daily lectures through online platform will be conducted along with online discussions and tutorials. The link, ID and password for joining the online session will be communicated through WhatsApp group of the selected candidates 30 mins before the start of the session.
- Certificates will be issued to those participants only who will complete all online sessions and assignments/tutorials.

REGISTRATION

Free Registration to all Participants. The list of selected candidates will be displayed on the website <https://nahep.vnmkv.org.in/>.

Click the link for Online FREE registration

https://docs.google.com/forms/d/1cslLVEvfOnKDHONErnaDMIGVjxPLowCmoY8GY5f9g_4/edit

Last Date of Registration is 02 June, 2020 Upto 10.00 AM



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