Agripreneurship Development Programme - "Plant Tissue Culture: From Basic Techniques to Applications in Crop Improvement" from 23-28 Nov 2026



IARI-Pusa Krishi together with the Division of Genetics, ICAR-IARI is organizing an Agripreneurship Development Programme titled *"Plant Tissue Culture: From Basic Techniques to Applications in Crop Improvement" from* 23-28 November, 2026. The training programme aims to provide participants with both theoretical knowledge and hands-on experience in plant tissue culture and its applications in crop improvement.

Specific Objectives

- To familiarize participants with the basic principles and concepts of plant tissue culture.
- To provide hands-on training in laboratory organization, aseptic techniques and contamination management.
- To demonstrate techniques for callus induction and maintenance.
- To understand the application of tissue culture in haploid and doubled haploid production.
- To introduce the application of tissue culture in genetic transformation and genome editing.
- To learn about the commercial aspects of plant tissue culture.
- To learn about the National Certification agency for plant tissue culture.

Outcomes of Training:

At the end of the training, participants will be able to:

- Explain the fundamental principles of plant tissue culture.
- Prepare and sterilize tissue culture media.
- Establish aseptic cultures from different explants.

- Perform basic micropropagation procedures.
- Apply tissue culture approaches in crop improvement programmes.
- Identify and troubleshoot common tissue culture problems.
- Understand the integration of tissue culture with molecular breeding, genetic transformation and genome editing.

Course Director:

Dr. M. Jayanthi, Principal Scientist, Division of Genetics, ICAR-IARI

Course Co-Director:

Dr. Ambika Rajendran, Principal Scientist, Division of Genetics, ICAR-IARI

Course Coordinators:

Dr. Akriti Sharma, In-charge & Sr Scientist, ZTM & BPD Unit, ICAR-IARI
Dr. Manisha, Scientist, Division of Genetics, ICAR-IARI

Who can apply?

Progressive farmers, Entrepreneurs, Faculty and Students

Link for Registration: https://pusakrishi.in/

Other Details

- Date & Duration: 23-28 November, 2026 (six days)
- No. of trainees: 25
- Venue: ZTM & BPD Unit and Division of Genetics, ICAR-IARI, New Delhi-110012
- Training Costs (per candidate): Rs. 4500/ (Only for stationary, logistics, tea/snacks/lunch).

Points to Note:

- Accommodation at IARI, Pusa is currently unavailable.
- The fee is non-refundable unless the training date or location is changed.
- No TA/DA will be paid to any candidate.
- Please enter your Name carefully, as it will be printed on the certificate and cannot be changed later.