

## Address for Communication

Applications in the prescribed format along with bio data may be sent to the Course Coordinator at the given address by speed post /registered post. Training fee may be paid either by cash or Demand Draft in favor of Director, AFRI, Jodhpur. Confirmation letter for participation will be sent through email within three days from receipt of application and training fee.

**Course Supervisor: Dr. I.D. Arya, Scientist-G**  
**Course Coordinator: Dr. Sarita Arya, Scientist-F**

FGTB Division

Arid Forest Research Institute

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## Application Form for Training on Plant Tissue Culture & Biotechnology

(Online application can also be submitted)

- Applicant's Name : \_\_\_\_\_
- Qualifications : \_\_\_\_\_
- Postal address : \_\_\_\_\_  
for communication
- E-mail ID : \_\_\_\_\_
- Mobile No : \_\_\_\_\_
- Training fee : \_\_\_\_\_  
(DD/Cash)
- Date : \_\_\_\_\_
- Place : \_\_\_\_\_
- Signature : \_\_\_\_\_
- Biodata (enclosed)



## One Week Training on Plant Tissue Culture & Biotechnology

**16<sup>th</sup> – 20<sup>th</sup> JANUARY, 2017**



**Organized by**

**Forest Genetics & Tree Breeding  
Division**

**Arid Forest Research Institute**

(Indian Council of Forestry Research and  
Education, Dehradun)

**P.O. Krishi Upaj Mandi,  
New Pali Road, Jodhpur- 342005  
Rajasthan (India)  
[www.afri.icfre.gov.in](http://www.afri.icfre.gov.in)**



## About us

Arid Forest Research Institute, situated at Jodhpur in Rajasthan (India), is one of the premier Institutes of the Indian Council of Forestry Research & Education (ICFRE) under the Ministry of Environment, Forests & Climate Change, Govt. of India.



## Mandate and objectives of Institute

It was established in 1988 with a mandate to conduct "Forestry research for conservation of biodiversity and enhancement of bio productivity in Rajasthan, Gujarat and Dadra & Nagar Haveli with special emphasis on arid and semi-arid regions".

## Thrust Areas of Research

- To develop techniques for rain water harvesting in arid areas.
- To develop technology for afforestation.
- Eco-stabilization of deserts with emphasis on sand dune fixation.
- To develop techniques for production of high quality planting material.
- Provenance trial of important arid zone species.
- Studies on bio-fertilizers and bio-pesticides.

- Research on Non-Wood Forest Products of arid zone.
- Tree improvement through tissue culture & genetic engineering.

## Jodhpur City

Jodhpur, popularly known as Sun city or Blue city, is a place of tourist attractions and historical monuments viz. Mehrangarh fort, Umaid Bhawan Palace, Jaswant Thada, Clock tower and Market. Other places include Mandore Garden, Kailana lake, Machia Safari Park etc. The Institute is situated 10 Km from Jodhpur railway station.

## Forest Genetics and tree breeding Division

FGTB Division is actively engaged in research related to conservation of genetic resources and variability, screening of genetic variability through provenance trials, improvement of planting stock, mass multiplication through tissue culture and conventional methods of vegetative propagation of forest tree species of arid and semi arid regions. The division is well equipped with all the latest equipments required for carrying out research and also have a well established Tissue Culture Laboratory.

## Objectives

- To conserve and utilize genetic resources for increasing forest productivity
- To conserve genetic variability for future tree breeding works
- To develop alternate and fast mass multiplication protocols for species of the region using biotechnology interventions
- To use new high throughput tools to understand genetics at a molecular level

## Training Course

Training will be imparted on role of Plant Tissue culture and Biotechnology and its importance. This programme consists of lectures and practical demonstration on Plant tissue culture laboratory set up, preparation of medium and explant treatment, establishment of callus culture and suspension culture, micro & macropropagation, maintenance of cell lines, rooting techniques. Techniques of genetic transformation of plants, molecular analysis of GMOs, DNA fingerprinting techniques and gene expression study. A certificate will be provided by the Institute after successful completion of training course.

## Eligibility

Students (M.Sc./B.Sc./B.tech), Forest Department Officers/officials viz. RFOs, Foresters etc., SHG/NGOs, officials /staff from Universities and research organizations.

**No. of participants per batch : 10**

**Duration : One week**

## Training Fee :

**Without Boarding and lodging : Rs.6000/- (Rupees six thousand only) per participant**  
**With Boarding and Lodging: Rs.8000/- (Rupees eight thousand only) per participant**

Fee once paid will not be refunded.

**Last Date of Fee : 14.01.2017**

The amount should be paid in advance. In addition, participants can also manage boarding and lodging at Institute on their own cost.