

### Course Coordinator:

Dr. Fatima Shirin,  
Scientist F & Head, G&PP Division

### Course Directors:

Dr. Yogeshwar Mishra, Scientist F  
Dr. Naseer Mohd, Scientist C, G&PP  
Division

### Address for Communication

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List of shortlisted candidates for  
training will be displayed on TFRI  
website <http://tfri.icfre.gov.in>  
and confirmation by Email will also be  
send.

**Patron: Dr. U. Prakasham, IFS  
Director**

**Tropical Forest Research Institute  
PO. RFRC Mandla Road Jabalpur  
Madhya Pradesh**



Applications along with biodata, attested  
copy of M.Sc. Marksheet (appearing  
candidates enclose llird Sem marksheet)  
and application fee may be sent to the  
Course Director at the given address by  
speed/ registered post or by hand in the  
prescribed format given below:



### Application Form

Applicant's name.....  
Qualification.....  
Biodata (enclose).....

Application fee (As postal order/DD/Cash)  
.....

Postal address for communication  
.....

e-mail id.....

Mobile No.....

Date.....

Place

Signature

## Training Programme on Laboratory Techniques and Instrumentation in Plant Biotechnology

16-20 January 2017

Organized by



### Tropical Forest Research Institute

(Indian Council of Forestry Research and Education, an  
autonomous body under Ministry of Environment,  
Forest and climate change Govt. of India)

**PO. RFRC Mandla Road Jabalpur  
Madhya Pradesh**

<http://tfri.icfre.gov.in>





## About Us

Tropical Forest Research Institute (TFRI), Jabalpur is one of the premier institutes under the Indian Council of Forestry Research & Education, Dehradun (an autonomous body under Ministry of Environment and Forests, Govt. of India). It was established as a regional center of Forest Research Institute, Dehradun in 1973 and became a full fledged institute in April 1988 with a mandate to conduct research on Non Wood Forest Products, Agroforestry, Forest protection, Biofertilizers and biopesticides, Rehabilitation & climate change, seed improvement and Planting stock improvement etc. The Institute is well equipped with modern analytical instruments and implements its mandate of research programme through competent scientists, forest officers and trained technical personnel placed in nine research divisions and one satellite centre 'Centre for Forestry Research and Human Resource Development' at Chhindwara, Madhya Pradesh. TFRI caters to the overall research needs of forests of four central Indian states, viz. Madhya Pradesh, Chhattisgarh, Maharashtra and Odisha, in particular, and specific issues of forests and forestry sector confronting India, in general.

## About Training Programme

Plant Biotechnology has become popular among plant researchers, horticulturists, plant breeders and industrialists because of its varied practical applications for tree improvement. Modern plant biotechnology is one of the most promising ways of societal development. Used in collaboration with traditional or conventional breeding methods, it can raise crop productivity, increase resistance to pests and diseases and develop tolerance to adverse weather conditions. Understanding of theoretical principles along with hands on practice will definitely enhance the skill of the participants along with their career prospects.

## Training course content

The five days training programme has been designed to provide the participants an opportunity to develop skills in techniques of plant tissue culture and molecular biology. It will include the following:

- Lectures on various techniques of Plant Biotechnology
- Lectures on instruments used in Plant Biotechnology, their principles and methodologies
- Practical Demonstrations on various equipments

## Hands on training for

- Sterilization and establishment of aseptic plant cultures.
- Media Preparation, Inoculation and sub-culturing.
- DNA extraction, Gel Electrophoresis and PCR technique.
- Scoring of data and basic descriptive analysis using softwares.

## Eligibility criteria

Students, Researchers, Research Scholars and Faculty in Biotechnology, Biochemistry, Microbiology, Botany, Forestry and Agriculture, farmers/tree growers are eligible to participate in the training

**No. of participants per batch: 20**

## Training fee per participant

Rs. 5000/- (Rupees five thousand only).

Training fees may be paid in cash or through Demand Draft favoring "Director, TFRI, Jabalpur" payable at Jabalpur.

## Bank Details for online transfer:

Bank Name: Union Bank of India, Branch: TFRI  
A/c Holders Name: Director TFRI,  
A/C No: 325702011010998  
IFSC Code: UBINo564885

## Accommodation

Boarding and lodging may be provided separately on payment basis in Rest House/ Hostel of the Institute, on request. Rent for lodging will be Rs. 200/- per day per room on shared basis and for boarding the rent will be Rs. 320/- per day (including morning tea, breakfast, lunch, evening tea & dinner). Thus, a total of Rs. 2600/- (rupees two thousand six hundred only) will be required more in addition to training fee for boarding and lodging purpose, if needed. This amount may be paid either in advance or during the training. Alternatively you can also book accommodation in hotels or anywhere on your own. (<http://jabalpur.nic.in/hotels.htm>)

## Important dates

**25/12/2016:** Last date for Receiving of applications and training fees

**10/01/2017:** Receipt of application & training fee with a late fee of Rs.500/-