

# INSTITUTE OF FOREST GENETICS AND TREE BREEDING COIMBATORE

## Calendar of Short Term Training Courses 2019-20



### SEED HANDLING, TESTING AND QUALITY SEEDLING PRODUCTION OF FORESTRY SPECIES

**Dr. R. Anandalakshmi**

Scientist-F, Forest Genetics Resource Division



### CHARACTERIZATION OF FOREST GENETIC RESOURCES AND ITS CONSERVATION

**Dr. D. Thangamani**

Scientist-C, Forest Genetics Resource Division



### FIELD ORIENTED FOREST ENTOMOLOGY

**Dr John Prasanth Jacob**

Scientist-F, Forest Protection Division



### BIOPROSPECTING - INSTRUMENTATION METHODS AND PHYTO CHEMICAL ANALYSIS

**Dr. N. Senthilkumar**

Scientist-E & Head, Chemistry & Bioprospecting Division



### BIO-FERTILIZER TECHNOLOGY

**Dr. V. Mohan**

Scientist-G, Forest Protection Division



### MASS PRODUCTION AND USE OF BIO CONTROL AGENTS IN FOREST DISEASES MANAGEMENT

**Dr. A. Karthikeyan**

Scientist-F, Forest Protection Division



### TREE IMPROVEMENT

**Dr. V. Sivakumar**

Scientist-F, Genetics and Tree Improvement Division



### JUNIOR RANGERS - NATURE CONNECT PROGRAMME

**Shri. P. Chandrasekaran**, Sr. Tech. Officer &  
**Smt. R.G. Anithaa**, Sr. Technical Asst. Extension Division



### AGRO FORESTRY

**Dr. C. Buvaneswaran**

Scientist-F, Silviculture and Forest Management Division

## COURSE FEES

- ❖ The course fees for 1 day, 2 days and 3 days programme per participant will be Rs.2000, Rs. 4000 & Rs.6000 respectively. (excluding lodging)
- ❖ For Farmers and College Students a concessional course fee is offered at Rs.1000, Rs.2000 & Rs.3000 for 1 day, 2 days & 3 days respectively. (excluding lodging)
- ❖ For School students a concessional course fee at Rs.750 & Rs.1500 for 1 day & 2 days programme respectively is offered.

**Note:** Accommodation will be provided only on demand basis on prevailing charges as applicable, which may vary between Rs 200 to Rs. 500 on twin sharing basis.

## HOW TO APPLY

Applications for the courses to be conducted at IFGTB, Coimbatore may be sent to

### Head, Extension Division

### Institute of Forest Genetics and Tree Breeding

P.O No: 106, R.S. Puram, HPO, Coimbatore - 641 002, Tamil Nadu.

Phone : 0422 2484100, 139 | Fax - 0422 2430549

Email : [hodextensionifgtb@gmail.com](mailto:hodextensionifgtb@gmail.com)

## Mode of Payment

1. Through demand draft drawn in favour of the Director, Institute of Forest Genetics and Tree Breeding, Coimbatore, and payable at Coimbatore.  
(or)
2. Through RTGS payable in the name of the Director, Institute of Forest Genetics and Tree Breeding, Coimbatore in A/c No: 502602010107699 (IFSC Code: UBIN0550264), R.S.Puram branch, Coimbatore.

The payment shall be made at least 30 days before the commencement of the respective courses. Participants may kindly email their payment details along with their application for online payments.

Participants are advised to commence their travel for the training only after getting confirmation about the course programme.

## HOW TO REACH

The institute is situated at Forest Campus, Cowley Brown Road, R.S. Puram, Coimbatore-641002, Tamil Nadu. Coimbatore is very well connected by road, rail and air network.

Visit us at <http://ifgtb.icfre.gov.in/>



**INSTITUTE OF FOREST GENETICS AND TREE BREEDING  
COIMBATORE**  
(Indian Council of Forestry Research and Education)

## SHORT TERM TRAINING COURSES 2019 - 20



## ABOUT IFGTB

Institute of Forest Genetics & Tree Breeding (IFGTB) is a national research institute of Indian Council of Forestry Research & Education (ICFRE), an autonomous organization of Ministry of Environment & Forests & Climate Change, Government of India. IFGTB specializes on Tree improvement programmes of major tree species and Forest Genetic Resources Management, besides conducting forestry extension activities and training. The thrust areas of the institute include Genetics & Tree Breeding and biotechnology, Biodiversity & Climate Change, Silviculture and Forest Management, Forestry Extension, Forests Genetics Resource Management and Bioprospecting.

IFGTB has been successfully conducting training programmes for IFS officers on various subjects as approved by the Ministry of Environment, Forest and Climate Change and other stake holders from time to time. Thematic and customized training programmes for farmers, tribal communities, bamboo artisans, students, field functionaries of State Forest Departments and other departments have also been successfully conducted by this institution. IFGTB is well equipped with the required infrastructure for conducting trainings, workshops / seminars at national and regional level.

Capacity building in Forestry and Environment for the officials and stakeholders in this field is of paramount importance to address the challenges being faced by the sector. Short term trainings help in understanding the issues in right perspective and sharpen skill of the practitioners and facilitate grooming of skilled force in consonance with scientific principles. IFGTB has designed 9 customised short term training courses for different stake holders for setting up a platform to fine tune forestry skills.



## TRAINING COURSES & CONTENTS

### Seed handling, Testing and Quality seedling production of Forestry species (2 days)

Applied training on important aspects of seed handling, processing and testing along with package of practices for important forestry species that comprise paper & pulpwood, plywood and timber species, Rare Endangered and Threatened (RET) species, medicinal plants, Non Timber Forest Products (NTFPs) and Tree Borne Oilseeds (TBOs).

**Eligibility :** Front line forest staff, Farmers, Foresters, Nursery entrepreneurs, College Student and NGOs

### Introductory Training Course on Applied Forest Entomology (2 days)

A basic course for college students, deals with Forest entomology - past, present & future. Systematics of insects. Diagnosis of insect diversity and assessment of insect damage in forest tree species. Insects & ecosystems. insect- plant interactions. Assessment of insect damage in forest nurseries, field collection of insects, rearing, processing, preservation of insects and documentation for identification. Biochemicals associated with insect-plant interactions and statistical analysis. Collection, preservation and maintenance of entomopathogens in lab and field demonstration.

**Eligibility :** Post Graduate students of Agriculture, Zoology, Forestry and Entomology

### Characterization of Forest Genetic Resources and its Conservation (2 days)

Hands on Training on morphological, biochemical and molecular characterization of Forest Genetic Resources viz.- PCR, electrophoresis, chromatography, spectrophotometer, gel documentation and using softwares.

**Eligibility :** Forest officers, Undergraduates and Post Graduates students of Biotechnology, Botany, Microbiology and Biochemistry

### Bioprospecting - Instrumentation methods and Phytochemical analysis (2 days)

Hands on training on selection, collection, processing and extraction of plant samples. Fractionation and characterization of active compounds using various chromatographic methods viz., TLC, UV, HPLC and GC/MS/MS.

**Eligibility :** Undergraduate students of Engineering, B.Sc., M.Sc., M.Phil., Research Scholars, Academicians and other stake holders.

### Biofertilizer Technology (2 days)

Training will focus on Bio-fertilizers - types and their importance, Sample collection and isolation techniques, Pure culture production and mass multiplication methods. Maintenance and Application of bio-fertilizers in the Nursery and Field. Hands on training cum demonstration on different techniques of bio-fertilizers production.

**Eligibility :** College Students, Farmers, Tree Growers, Wood based Industry Officials, SFD Officials, Agriculture and Horticulture Officials.

### Mass Production and use of bio control agents in Forest diseases management (3 days)

Three days training will focus on inputs on *Trichoderma viride* and its significance as bio-control agent - Culture and multiplication of *Trichoderma viride* from organic wastes - Application methodologies of *Trichoderma*. Hands on exercises in the lab.

**Eligibility :** College teachers, Students and Farmers.

### Tree Improvement (3 days)

Tree Improvement and Plus Tree Selection, Genetic improvement of Eucalyptus, Casuarina, Teak, Melia, Gmelina, Ailanthus and other indigenous tree species, Establishment and management of Seed orchards, Establishment and analysis of clonal and progeny trials and Clonal propagation of tree species.

**Eligibility :** PG Students/ Plantation Managers/ Forest officials

### Junior Rangers - Nature Connect Programme (2 days)

Nature Connect Programme offers outdoor learning activities that contribute to their understanding of environment and nature. This course incorporates learning on trees, flowers, grasses, birds and butterflies-to connect students with nature and diversify their outdoor experience. The training experiences also include visit to Gass Forest Museum and nature wilderness area outskirts of Coimbatore.

**Eligibility :** School Students from 6th, 7th, 8th & 9th Standard.

### Agro Forestry (2 days)

Establishment and Management of tree-crop, Agroforestry systems and Tree-Borne oilseeds (TBOs) based Agroforestry systems. Importance of soil management and Pest & Disease management in Agroforestry models. Economics of different agro forestry models and enhancement of productivity of tree components

**Eligibility :** Farmers, Tree Growers and Foresters.