

TRAINING CALENDAR (2018-19)



INSTITUTE OF WOOD SCIENCE AND TECHNOLOGY

(Indian Council of Forestry Research and Education)
Bengaluru, Karnataka




VISION STATEMENT

To attain excellence in forestry and wood science research for generation of desired resource values, uses, products and services in a way that sustains diversity and productivity in an eco-friendly regime.

MISSION STATEMENT

To conduct, promote and support forestry research, education and extension in India for biodiversity conservation; climate change mitigation and adaptation; enhancing the quality of forest ecosystems, sustainable forest management; livelihood support systems; rural development; increasing the green cover in rural and urban areas and meeting the millennium development goals.



Facilities

The Institute has well equipped laboratories, wood processing machineries, timber seasoning and preservation plant, nursery for raising seedlings and mist chamber for colonel propagation, Wood Polymer Composites Centre, Xylarium, insect museum, library and computer center etc. It also has nurseries and experimental field stations for conducting wood science and forestry research and imparting training. A Scientists' Hostel and a Guest House within the campus can accommodate the trainees well

Faculty

The Institute has qualified and trained faculty with national and International exposure. Apart from the scientists of the Institute, renowned experts from other reputed institutions/universities are also engaged as resource persons/guest faculty.

Registration

The application/nomination letter should be sent in the prescribed format to the respective contact persons, Institute of Wood Science and Technology, 18th Cross, Malleshwaram, Bengaluru-560 003 at least 15 days before the commencement of the respective course. The requisite course fee can be paid through Demand Draft drawn in favour of **“The Director, Institute of Wood Science and Technology, Bengaluru” payable at Bengaluru.**

Participants are advised to commence their journey for the training only after receiving confirmation about the course. If adequate response for a particular course is not received, the same is liable to be cancelled. In that case, the course fee will be refunded to the concerned.

SHORT TERM TRAINING COURSES CALENDAR

(2018-19)
IWST, Bengaluru

Instrumentation techniques for phytochemical analysis

Course Director : Mr. V.S. Shettappanavar, IFS
Dates : 14th – 16th May, 2018 (3 days)
9th – 11th July, 2018 (3 days)
3rd – 5th December, 2018 (3 days)
Fees : Rs. 4500/- (without lodging facilities)

Course content: Instrumental analysis with different chromatographic tools like GC, analytical HPLC and preparative HPLC, Spectroscopic analytical methods like UV and FTIR.

Field Identification of important timbers

Course Director : Dr. Anil Kumar Sethy
Dates : 23rd – 27th July, 2018 (5 days)
12th – 16th November, 2018 (5 days)
Fees : Rs. 10,000/- (With boarding and lodging),
Rs. 6000/- (without lodging facility)

Course content: Method of identification (Physical properties and internal structural features); Field Identification of 25 commercial timbers.

Wood Seasoning and Protection

Course Director : Mrs. D. Venmalar
Dates : 24th-28th September, 2018 (5 days)
4th-8th February, 2019 (5 days)
Fees : Rs 10,000/- (With boarding and lodging),
Rs.6000/- (without lodging facility)

Course content : Wood drying and preservation, basic concepts of wood drying, methods of wood drying, drying schedules, different types of drying defects and their control, different types of wood preservatives, methods of wood treatment and safety measures (i.e. handling issues, Wood modification, protection from weathering and wood coating, wood degradation by different kind of bio-organisms (i.e. fungi, termites, borers, etc.) and marine biodegradation and about their preventive measures.

Wood Polymer Composites

Course Director : Dr. Shakti Chauhan
Dates : 25th February, 2019
Fees : Rs 1500/- (One day)

Course Content : Basics of wood, polymers and WPC; Manufacturing WPC; Physical and mechanical characterization of the composite

Sandal-wood : Seed handling, nursery and plantation technology

Course Director	: Dr. Geeta Joshi (For I course) Dr. Syam Viswanath (For II course)
Dates	: I course : 10 th -14 th December, 2018 (5 days) II course : 18 th – 22 nd February, 2019 (5 days)
Fees	: Rs.12,000/- (With boarding and lodging), Rs.10,000/- (without lodging facility)

Course Content : Components of nursery, propagation techniques, composting, concept of root trainers based seedling production, seed technology, supplementary nutrition, bio-fertilizers, pest management in nursery and quality assessment of seedlings (includes one day field tour and ½ day field visit to KSDL)

Melia dubia : Cultivation and Utilization

Course Director	: Dr. A.N. Arun Kumar
Dates	: 12 th October, 2018 (1 days)
Fees	: Rs. 1500/- (Without lodging facility)
Course Content	: Raising of plantations, wood quality, insect pest, utilization

Bamboo : Propagation Value, addition and Marketing

Course Director	: Dr. Syam Viswanath
Dates	: 27 th -29 th August, 2018 (3 days)
Fees	: Rs.6,000/- (With boarding and lodging), Rs.4500/- (without lodging facility)

Course content : Bamboo : an overview and prospects for domestication, Propagation methods in Bamboo, Pest and Diseases Problem and its Protection, Bamboo Preservation Techniques, Design and Value addition in bamboo, Bamboo Thermo Plastics Composites, Gasification and Bioenergy, Lifestyle products in Bamboo, Policy and marketing related issues in Bamboo sector, half day field visits to established bamboo plantations

Statistical Methods in Forestry

Course Directors	: Dr. Ritesh Tailor Mr. M. Srinivasa Rao, IFS
Dates	: 22 nd -24 th January 2019 (3 days)
Fees	: Rs 6,000/- (With boarding and lodging), Rs.5,000/- (without lodging facility)

For research Scholars and students

	Rs. 4,500/- (With boarding and lodging)
	Rs. 4,000/- (Without lodging))

Course Content : Elementary Statistical Methods, Sampling Techniques, Design of Experiment, Application of Statistics in Forestry Research and Data analysis using SYSTAT software.

Integrated pests and disease management on Sandalwood

Course Director	: Dr. A. Muthukumar
Dates	: 2 nd November, 2018(1 day)
Fees	: Rs.1,500/- (Without lodging and boarding)

Course Content : Basics of raising healthy Sandalwood seedlings and plantations. Diseases of Sandalwood and their management. Pest problems of Sandalwood and their management. Display of pest and disease problems in field conditions and demonstration of effective management measures.

Tree Transplantation with Volvo

Course Director : Mr. M. Srinivasa Rao, IFS
Dates : 29th May, 2018 (1day)
Fees : Rs. 10,000/- (With lodging and boarding)
Rs. 6,000/- (Without lodging facility)

Course Content : Introduction: Botany of a tree, Forest types, agroclimatic zones, soil analysis; Tree transplantation: Definition, Need/importance; Pre-transplantation modalities: Assessment of tree health, Preparation of tree, Planting hole and site preparation; Transplantation modalities: planting hold and site preparation, hormonal treatment, transplantation mechanics: Post transplantation modalities: post transplant care, post transplant monitoring.

Wood Technology

Course Director : Dr. Anil Sethy
Dates : 28th–30th January, 2019 (3 days)
Fees : Rs. 10,000/- (With lodging and boarding)
Rs. 6,000/- (Without lodging facility)

Course Content : Internal structure of wood (Macro and micro structure); Physical and mechanical properties of wood; Basics of wood composites: Thermosetting composites, Thermoplastic composites; Wood drying/seasoning; Wood preservation; Defects in wood; Biological degradation of wood; Wood modification; Wood finishing; Wood energy; Wood Chemistry.

Forestry

Course Directors : Dr. Syam Viswanath
Shri M.Srinivasa Rao, IFS
Dates : 19th-21st December, 2018 (3 days)
Fees : Rs. 8,000/- (With lodging and boarding)
Rs. 5,000/- (Without lodging facility)

Course Content : Over view of Indian forests, forestry principles and practices, Urban forestry, people wild life and forests, long term monitoring of forests, biodiversity resource assessment, current trends in biodiversity acts and regulations, monitoring climate change in forestry sector, wood utilization and prospects in India, bamboo resources utilization, sandalwood – current scenario and prospects, plywood industry in India, field visit to Bannerghatta national park, Bangalore.

NOTE : All the above courses can be scheduled as per request to any mutually convenient period provided, for all courses.

Advanced Woodworking Training Centre (AWTC) of the Institute imparts Training on

1. Basic machinery,
2. CNC machine and
3. PYTHA software on regular basis to the industries and other stakeholders.

For details please visit our website: <http://iwst.icfre.gov.in/awwtc/awwtc.htm>



IMPORTANT INFORMATION

Website: <http://iwst.icfre.gov.in>

Extension Officer

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