

**A Report on Hands on Training on  
“Bioprospecting – Instrumentation methods and Phytochemical analysis”  
19 & 20 September, 2018**

Two days hands on training on **“Bioprospecting – Instrumentation methods and Phytochemical analysis”** has been conducted in the **Institute of Forest Genetics and Tree Breeding, Coimbatore** during 19 & 20 September, 2018. A total of 32 participants from National College, Trichy; Nehru Memorial College, Trichy; Manonmaniam Sundaranar University, Thirunelveli; Sri Krishna College of Arts & Science, Coimbatore; Kongunadu Arts and Science College, Coimbatore; PSG College of Arts and Science, Coimbatore; Karunya Institute of Technology, Coimbatore; CMS College of Arts and Science, Coimbatore; Tamil Nadu Agriculture University, Coimbatore and Suguna Foods Pvt. Ltd, Coimbatore have participated in the training. The participants include under graduate, post graduate, students of Biotechnology, Microbiology, Biochemistry, Agriculture Environmental Science, Ph.D scholars, Postdoctoral fellows, lecturers and R & D researchers. The participants were provided 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, followed by biological properties of active compounds thereof. The main aim of the training was to provide hands on experience to handle advanced instruments and upgrade the technical skills of participants in their core subjects. The laboratory training ended with the evaluation of the learning skills of the students through group discussion.

During the valedictory function, the participants appreciated that the training especially the course contents and module are apt and suitable for their present curriculum/research commitments. The participants thanked IFGTB for organizing the training on instrumentation methods and informed that after the training they are confident enough to work in industries and even to become an entrepreneur. The participants also suggested to extend the training duration to three days. Dr. Mohit Gera, IFS during his valedictory address insisted the significance of the training wherein students are allowed to handle sophisticated equipments which make them confident to handle their future research work individually. Dr. S. Murugesan, GCR, during his address informed that IFGTB is conducting such hands on training to the student community to develop their skill on the subject with modern instrumentation techniques. The training programme concluded with the distribution of certificates to participants by Dr. Mohit Gera, IFS Director, IFGTB, Coimbatore. Dr. N. Senthilkumar, Smt. R. Sumathi, Smt. R. Lakshmidivi, Shri R. Sathishkumar and research scholars of the Division of Chemistry and Bioprospecting were involved in organizing the training.



**Inaugural address by Dr. S. Murugesan, Group Co-ordinator Research, IFGTB**



**Interaction of Dr. N. Senthilkumar, Scientist, IFGTB during the training**



**A view of participants learning about various equipments**



**Group discussion with the participants**



**Data analysis and training report preparation in groups**



**Valedictory address of Dr. Mohit Gera, IFS, Director, IFGTB**



**The Director Dr. Mohit Gera, IFS giving away the certificates to the participants**



**Group photo of the participants**