

**HRD TRAINING ON
“GERMPLASM CONSERVATION AND DOCUMENTATION”
FOR RESEARCH SUPPORT STAFFS OF ICFRE
AT
INSTITUTE OF FOREST GENETICS AND TREE BREEDING, COIMBATORE**

20.03.2017 to 24.03.2017

One week HRD Training on “Germplasm Conservation and Documentation” for Research support staffs of ICFRE was organized at IFGTB. A total of 14 Research support staffs from various ICFRE Institutes like FRI, AFRI, TFRI, RFRI, IFP, IWSST, IFB and IFGTB attended the training. The training was sponsored by the Ministry of Environment, Forest and Climate Change, Govt. of India, New Delhi. The Training provided knowledge about the forest genetic resources, collection of germplasm, conservation, documentation and characterization.

The training started on 20th March 2017. Shri. R.S. Prashanth IFS, Director, IFGTB inaugurated the training programme, and released the Training Manual. During his inaugural address, he highlighted the floral wealth of the country, their sustainable utilization and also the importance of germplasm conservation and documentation. Dr. K. Palanisamy, Training Co-ordinator briefed about the status of forest genetic resource management and activities of germplasm conservation in the country, and also explained the one week training module. The inaugural function was concluded with vote of thanks by Dr. D. Thangamani, Scientist, Forest Genetic Resources Division.

The Training module included class room sessions on various aspects of Germplasm conservation and documentation like Forest Genetic Resources and FGRMN Perspectives– An Overview; Status of Forest Genetic Resources in the Country; Patterns of Variation, Germplasm Assemblage and Conservation of Forest Trees; Plus Tree Selection and Establishment of Seed Orchards; Role of Seed Bank in Conservation of Forest Genetic Resources; Clonal Propagation for *Ex situ* Conservation of Germplasm; Morphological Characterization for Selection of Populations for Conservation; Molecular Characterization of Forest Genetic Resources; Characterization of Tree Genetic Resources by Biochemical Markers; Applications of Remote Sensing and GIS for Forest Genetic Resource Management; The Biology of Plant Reproduction: A Prerequisite for FGR Conservation and Documentation; and Insect Pests and Disease and Conservation of Forest Genetic Resources. The Training also included Field visits to germplasm assemblage in Karunya Field Station, Ramaiah Gene bank in Tamil Nadu Agricultural University, visit to *in situ* conservation areas in Anamalai and Parambikulam Tiger Reserves and visit to Teak Genetic Resources maintained by TNFD in Topslip. In addition, demonstration on Clonal multiplication of important

tree species in the nursery, Seed processing and storage in the seed bank, biochemical analysis and Molecular characterization in the laboratories have been carried out. The training will be useful to the Research staffs to carry out FGR activities in their jurisdiction states.



Inauguration of HRD Training on Germplasm Conservation and Documentation



Visit to germplasm assemblage at Karunya



Visit to Teak SPA, Topslip



Class Room session



Demo in Seed processing



Demo in FGR Nursery and Vegetative Propagation Complex



Demo in Characterization Lab



Visit to Herbarium



Valedictory Function

The Valedictory Function was held in the afternoon on 24th March, 2017. Shri. R.S. Prashanth IFS, Director, IFGTB presided over the function. Dr. D. Thangamani, Scientist, FGR Division, welcomed the gathering. Dr. K. Palanisamy, Head, FGR Division and Training Co-ordinator presented the activities conducted in the one week training programme. The Director, IFGTB delivered the valedictory address and distributed the certificates to the participants.