

## Hands-on training on Analysis of DNA marker data

Six day training on “Analysis of DNA marker data” was held at Institute of Forest Genetics and Tree Breeding, Coimbatore from 19-24 September 2016. The training was inaugurated by Shri R.S. Prashanth, Director, IFGTB. Thirteen participants registered for the program and included research fellows and scientists from different organizations including Cochin University of Science and Technology, Tamil Nadu Agricultural University, University Of Madras, National Chemical Laboratory, Kerala Forest Research Institute, Botanical Survey of India and ICFRE Institutes like Forest Research Institute, Tropical Forest Research Institute and Rain Forest Research Institute. The training was organized to provide the participants an opportunity to analyze DNA marker data using different softwares.



The training was initiated by a series of lectures on DNA markers and the procedure for scoring DNA marker data for analysis by Dr. R. Yasodha, Course Co-ordinator. This was followed by hands-on training on different softwares like NTSYS, POPGENE, DARwin and PowerMarker for genetic diversity estimation and Structure for population structure analysis. The participants were encouraged to work independently on the datasets. On the penultimate day of the training program, the participants were introduced to the various aspects of Molecular Phylogeny by Dr.



Modhumita Dasgupta, Co Course Coordinator followed by hands on training on softwares like BioEdit and MEGA.

An interactive session with the participants was organized on the final day of the training to clarify queries regarding data analysis. In the valedictory session the participants were encouraged to express their opinion regarding the training course. The training ended with distribution of certificates.

