

Introductory Training in Molecular Biology Techniques

One week Introductory Training in Molecular Biology Techniques was organized by the Institute of Forest Genetics and Tree Breeding, Coimbatore from 8 January 2018 to 12 January 2018 as a part of Human Resource Development (HRD) program for ICFRE scientists. The training was inaugurated by Dr. S. Murugesan, Director, IFGTB. Fourteen participants registered for the training included the following:



S. No.	Name and Designation	Institute
1.	Dr. Rajesh Sharma, Scientist G	HFRI, Shimla
2.	Dr. Yogeshwar Mishra, Scientist F	TFRI, Jabalpur
3.	Dr. Fatima Shirin, Scientist F	TFRI, Jabalpur
4.	Dr. Ashwani Tapwal, Scientist E	HFRI, Shimla
5.	Shri JMS Chauhan, Scientist D	FRI, Dehradun
6.	Dr. Naseer Mohammad, Scientist C	TFRI, Jabalpur
7.	Sh. Aditya Kumar, Scientist C	IFP, Ranchi
8.	Dr D. Thangamani, Scientist C	IFGTB, Coimbatore
9.	Dr. Praveen Kumar Verma, Scientist B	FRI, Dehradun
10.	Dr. Shambhavi Yadav, Research Officer Grade I	FRI, Dehradun
11.	Smt. S. Lalitha, Assistant Chief Technical Officer	IFGTB, Coimbatore
12.	Dr. S.P. Subramani, Assistant Chief Technical Officer	IFGTB, Coimbatore
13.	Sh Anugrah Tripathi, Technical Officer	FRI, Dehradun
14.	Ms CN Sreedevi, Technician	IWST, Bengaluru

The objective of the training was to provide the participants a broad understanding on the Molecular Biology techniques, DNA markers and recent developments in genomic technologies.

The training had 30% lectures and 70% hands on practical sessions. Lectures included basics in molecular biology, lab safety and lab procedures, applications of DNA markers, next generation genome sequencing technology and genomics, genetic engineering methods and biotechnological interventions in conservation and breeding. Hands on training included genomic DNA isolation, RAPD and ISSR gel electrophoresis, gel documentation, Restriction digestion, Bacterial and plant Transformation, plasmid isolation and transgenics. Visit to different laboratories in the institute and vegetative propagation complex was also conducted. On the last day of the training, interactive session was organised followed by distribution of certificates.

