

SUMMER INTERNSHIP TRAINING

ICFRE-Institute of Forest Genetics and Tree Breeding, Coimbatore

3 weeks internship training with the following module

3rd to 21st July, 2023

S. No.	Division	Module	Days
1.	Dr. N. Senthilkumar Smt. R. Sumathi (Training coordinators)	Inauguration of the internship training Lab and Museum visits	1 day 3 th July, 2023
2.	Genetics and Tree Improvement (Dr. V. Sivakumar & Shri A. Mayavel)	Introduction to genetics and tree breeding and Image analyser technique.	1day 4 th July, 2023
3.	GIS & remote sensing (Dr. A. Rajasekaran)	Basics of remote sensing and GIS; Practical application of GPS and Demonstration of application of QGIS.	2 days 5 th &6 th July, 2023
4.	Dr. R. Anandhalakshmi	Forest Genetic Resource Management and Seed HandlingTechnique.	1 day 7 th July, 2023
5.	Microbiology (Dr. A. Karthikeyan)	Techniques in Mycorrhizal Fungi – Isolation, Identification and Mass Production Methods (Biofertilizer production). Identification and Multiplication techniques of beneficial bacteria/growth promoting microorganisms.	2 days 10 th & 11 th July, 2023
6.	Forest protection (Dr.K.N.Ashrith)	Insect identification and pest control measures.	1 day 12 th July, 2023
7.	Soil and Plant analysis (Dr. A.C.Surya Prabha)	Soil sampling, methods of sampling, processing of soil samples, determination of soil properties-pH, EC,OC, available nutrients, Interpretation of analytical results. Plant sampling, analysis and interpretation of results.	2 day 13 th and 14 th July, 2023
8.	Research methods & biostatistics (Dr. V. Sivakumar)	Experimental design, data collection, analysis using appropriate statistics tools and interpretation.	Forenoon 17 th July, 2023
9.	Paper writing (Dr. Rekha Warriier)	Scientific report/paper writing	Afternoon 17 st July, 2023
10.	Bioprospecting (Dr.N.Senthil Kumar)	Characterization of active compounds using UV, TLC, HPLC & GC/MS/MS	2 days 18 th &19 st July, 2023
11.	Molecular markers (Dr. D. Thangamani)	Molecular techniques (DNA isolation, DNA markers etc.)	1 day 20 th July, 2023
12.	Dr. N. Senthil Kumar Smt. R. Sumathi	Preparation of training report and Valedictory	1 day 21 st July, 2023

Contact persons

Student Co-ordinator

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