



ONE WEEK TRAINING PROGRAMME ON

“VEGETATION SCIENCE & FORESTRY”

(28.08.2024 – 04.09.2024)

Organized by ICFRE-IFGTB, Coimbatore

ICFRE-Institute of Forest Genetics and Tree Breeding, Coimbatore organized a one week training program on ‘Vegetation Science and Forestry’ to M. Sc. (Wildlife) students from Wildlife Institute (Southern region), Coimbatore during 28.08.2024 - 04.09.2024. A total of 12 students participated in the training programme along with faculty members Dr. V. Karunakaran, Senior Scientist from Wildlife Institute of India.

Dr. S. Saravanan, Head, Extension, welcomed the participants and gave an overview on research and extension activities of the institute, the organization structure, infrastructure facilities, scientific and technical manpower available for research and extension.

Dr. C. Kunhikannan, Director, ICFRE-IFGTB inaugurated the one week training programme and briefed about the achievements of ICFRE-IFGTB in different areas of forestry research. Also, he informed about the structure of the one week training programme that includes class room lectures, laboratory and clonal nursery visits.

The students were given orientation in basic concepts and its applications in the field of forestry research viz., Taxonomy, Genetics and Tree breeding, Agroforestry, Forest Genetic Resource Management, Silviculture, Micro-propagation, etc.

28.08.2024

Dr. C. Kunhikannan, Director, ICFRE-IFGTB and Dr. S. P. Subramani, CTO, delivered lectures on “Plant taxonomy”. They underscored the basics and importance of Plant Taxonomy in Biodiversity Assessment and Conservation. Lectures on Plant Diversity of India, Forest types in India, Principles of plant taxonomy, etc. Major Angiosperm families of Indian Forests and their key flora, Identification of forest plants were covered. Visit was arranged for the students to the Herbarium & Botanical Garden of the institute.



29.08.2024

Shri. K. Muralishankar, IFS, DCF delivered lecture on “Principles and practices of Silviculture” wherein he highlighted the basic Silviculture, locality factors, edaphic factors, succession, forest types and major tree species, tending operations like thinning, pruning, weeding, etc. Also, he covered the nursery aspects including seed collection, pre-treatments, germination, planting out, spacing, etc.



30.08.2024

Dr. C. Buvaneshwaran, Scientist-G, delivered his lecture on “Agroforestry – Basic concepts” to the students. The speaker briefed about what is agroforestry, classification of agroforestry systems, factors involved in classification of agroforestry systems, intercropping, tree-soil-crop interactions, maintaining agro-biodiversity, agroforestry models developed by ICFRE-IFGTB, economics of different agroforestry models, etc. He also briefed on National Agroforestry Policy, 2014, and its significance.



02.09.2024

Dr. V. Sivakumar, Scientist-G & Dr. R. Archana, Scientist-C delivered lectures on "Forest Genetics & Tree Breeding – Basics and application", where-in the students were given knowledge on various aspects of tree breeding such as common breeding programme in trees, selection of plus trees, assemblage of germplasm, Clonal Seed Orchard, Seedling Seed Orchard, clonal bank, tree breeding and productivity enhancement, release of clones, DUS characterization, etc.



03.09.2024

Dr. R. Anandalakshmi, Scientist-G, explained to the students on the significance of Forest Genetic Resource & Management. The students were briefed about what is FGR, prioritized species for conservation, conservation strategies, factors involved in prioritizing tree species for FGR management and conservation, etc. The FGR team gave hands on training in the field of seed collection, processing, storage, germination test, seed certification, etc. Students were explained about seed bank,

X-ray machine, cold storage unit, Seed Processing Center. Also, students visited FGR nursery.



04.09.2024

Dr. R. Yasodha, GCR, Dr. Rekha R. Warriar, Scientist-G and Smt. K. Shanthi, CTO delivered lectures on “Micro propagation – Tissue Culture techniques and clonal propagation”. Students were given basic knowledge on micro-propagation, methods involved in this techniques, etc. Also, informed about the protocols developed by ICFRE-IFGTB for various species including Bamboo species, Teak, etc. Students were exposed to TC-Teak plants and how teak seedlings are being multiplied in large scale by using micro-propagation technique. Students were visited clonal nursery and exposed to facilities like Mother bed chamber, shade house, low cost poly tent, hardening chamber, etc.



