

**STUDENTS AWARENESS PROGRAMME:
ONLINE ACTIVITY UNDER PRAKRITI FOR THE CONDUCTED ON 31.10.2022**

Under “PRAKRITI” Institute of Forest Genetics & Tree Breeding, Coimbatore organized an online awareness programme in collaboration with the CUBE, an NGO organization, Coimbatore. During the programme, college students from 10 different colleges viz., Coimbatore Government Arts College, Sri Krishna Arts and Science College, Sri Ramakrishna College, Sri Sakthi Engineering College, etc. from Coimbatore district were participated. The main aim of conducting this programme was to create environmental conservation awareness among school and college students related to environment conservation. The students were given a brief introduction by B. Sunitha, Chief Technical officer about the “PRAKRITI” program and IFGTBs initiatives and its contribution towards environment and society. They were also briefed about the biodiversity issues and environmental issues in conservation.

The students were imparted knowledge on “Variation in plants and its importance” by Dr.D.Thangamani, Scientist D, IFGTB, Forest Genetic Resource Management division on 31.10.2022.

In her speech, she explained about the theory of evolution, Facts with theory of evolution and classification of Linnaeus and System nature, etc. The experiments on Gregory Mendel’s inheritance and transition from wild to domestication and the origin of genetic variation across species were screened. She pointed out that variation in agriculture crop is essential for increase in crop production food security. She explained the structure of chromosome, its advantages and mutation of genes.

She mentioned that, the dwarf gene in agriculture and its usefulness in development of high yielding varieties. She touched on India’s green revolution due to variations in agricultural crops. The techniques for inducing mutation and the different types of mutagens with the in vitro culture were highlighted. The other aspects like plant breeding and mutation breeding which was useful for the crop improvement with officially released variants were also discussed.

