



## Green Skill Development Programme (GSDP) Plant Tissue Culture Techniques and its Applications

Organized by

**ENVIS Resource Partner on Forest Genetic Resources and Tree Improvement**

**Institute of Forest Genetics and Tree Breeding**

**(Indian Council of Forestry Research and Education)**

**Coimbatore**

### Day 5 (2.02.2021) Laboratory Session

Standard operating procedures to be followed in the tissue culture lab and the importance of following safety measures like wearing appropriate gloves, lab coat and eye protection whenever using chemical disinfectants were explained by Ms. Mahalakshimi, Technical Officer, Plant Biotechnology and Cytogenetics Division. Ms.Chitra, Technician and Ms.Sathya, Field Assistant Plant Biotechnology and Cytogenetics Division gave the following hands on training to the trainees:

- Decontaminating bottles and petri plates
- Sterilisation
- Autoclaving using pressure cooker
- How to store the media
- Bleaching of cultures





The trainees were taken to Autoclave room. Ms. Kalaiselvi, Senior Research Fellow and Ms. Arathi, Junior Research Fellow, Plant Biotechnology and Cytogenetics explained how Autoclaves use pressurized steam to destroy microorganisms. Decontamination of laboratory waste and the sterilization of laboratory glassware, media, and reagents using autoclave were also taught.



Trainees washed the media bottles required for autoclaving and kept them for drying.

