



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 4 (25.02.2021):- Laboratory Session

Ms.Chitra, Technician and Ms.Sathya, Field Assistant Plant Biotechnology and Cytogenetics Division gave the following hands on training to the trainees in tissue culture lab:

- Washing various equipment
- Rinsing and cleaning of instruments (physically and Chemically)
- Steps followed prior to sterilization
- Handling of various equipment
- How to handle chemicals while cleaning



After the practical session, the trainees were taken to wash area. Ms. Kalaiselvi, Senior Research Fellow and Ms. Arathi, Junior Research Fellow, Plant Biotechnology and Cytogenetics Division gave a demo on washing procedures. They demonstrated how to handle chemicals while washing and gave tips for cleaning laboratory instruments. Finally, the trainees practically trained on washing and cleaning of bottles, test tubes, forceps and scalpel. The trainees were also given hands on training on how to clean and pack plates, forceps, scalpel, test tubes and Petri plates prior to sterilization.



Lab exercises to prepare cotton plugs were given to the trainees. The preparation of cotton plugs was monitored by Ms. Kalaiselvi, SRF and her team. The trainees successfully prepared the cotton plugs. The entire session was carried out under the supervision of Ms. Mahalakshimi, Technical Officer, Plant Biotechnology and Cytogenetics Division

