

Plant Tissue Culture Research Facility

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The Plant Tissue Culture facility is well equipped in Department of Botany for the past 20 years to conduct practical experiments that focus on the micropropagation of rare medicinal plants and elite trees. The Tissue Culture Research Lab is mainly used for training the final year students to learn the technique of plant tissue culture by inoculating cells, tissues or organs from a plant and also for various research projects. Trained teachers and Lab staff help to carry out the work smoothly.

Culture Room with Horizontal Laminar – air - flow cabinet to raise in vitro Plant Tissue Cultures under sterile conditions, AC Room Thermometer, Hygrometer and Culture Rack Trolleys fitted with fluorescent lights and automatic timer.

Instrument cum Preparation Room with basic equipment's like High Precision Digital Balance, pH meters, Orbital Shakers, Hot Plates, BOD, Ultra Centrifuge machines, Double Distillation Unit, Hot Air Oven, Vertical and Horizontal Autoclave, Refrigerator and Deep Freezer, Microtome, Simple, Compound, Dissection and High Resolution Microscopes with In-built Camera, Inverted Binocular

Separate Wash Area for washing and rinsing of glassware's.

Green House Facility with controlled conditions of light, humidity and temperature for establishment of in vitro grown plantlets in soil.

There is always scope for further improvement of Tissue Culture Research Facilities in the near future.

Glimpses of Tissue culture

