



Name: Dr. Sunita Farkya
Designation: Professor
Academic Qualifications: M.Sc., M.Phil, Ph.D.
Area of Specialization: Plant Biotechnology, Biological Control of weeds, Production of Secondary metabolites.
Research Interests:
Projects completed

- 1 Studies on the production of secondary metabolites from plant cell culture. (CSIR)
- 2 Study of Post Graduate Teachers' (PGTs) understanding of Plant tissue culture and genetic engineering (Biotechnology) and their application to human welfare. (NCERT)
- 3 Studies on the production of anticancer drug in cell and hairy root cultures of Thuja spp.(UGC)Experimental Techniques and SkillsPlant tissue culture techniques: Development of cultures, genetic transformation, production ofsecondary metabolites from plant cell cultures, cultivation in bioreactors. Phytochemistry: Extraction, isolation and structure elucidation of phytoconstituents. Molecular Biology Techniques: Genomic DNA extraction, Polymerase Chain Reaction (PCR),plasmid isolation, genetic confirmation.Microbial Techniques: Aseptic culture handling, in-vivo efficacy testing.Miscellaneous: Chromatography – TLC, HPLC, Column chromatography, Electrophoresis – Gel and Paper electrophoresis, enzyme extraction and activity assay, toxicitystudies.