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Specialization:

- Fungal Diversity, Bioprospecting fungal metabolites and Cancer Biology

Expertise:

- Expertise in testing anticancer and antimicrobial compounds from fungi, plants and synthetic through *Invivo & invitro model*.
- To test the toxicity of metabolites from fungi in animal models.
- Internal transcribed spacer 2 (ITS2) molecular morphometric analysis based species delimitation of foliar endophytic fungi
- The lab is equipped for extraction and purification of biologically active metabolites from plant, microbes, and synthetic

Research Activities:

- The lab has completed two major research projects funded by UGC-MRP, SERB.
- Finding novel compound from Fungi.
- *Morphological and molecular identification of Fungi.*
- *Evaluate the anticancer activity of compounds through in-vitro and in-vivo.*

Facilities Available:

- Animal cell culture facility
- fungal cell culture facility
- DNA, RNA isolation, PCR based quantification and documentation.
- *Invitro and invitro testing*

Ready to transfer technologies/products:

- Evaluate the anticancer activity of compounds from plant, microbes, and synthetic.

