



## Department of Botany, University of Kashmir

### Major thrust areas of research in the Department

- I) Biodiversity characterization conservation and sustainable utilization in relation to regional development.
- II) Plant invasions: species invasiveness, community invisibility, impact assessment and management.
- III) Reproductive biology in relation to conservation of endangered and endemic plants.
- IV) Physiology of flower senescence and regulation of vase life in selected ornamentals.
- V) In vitro multiplication for commercial exploitation of economically important plants and conservation of threatened species.
- VI) Diversity of micro and macro fungi in Kashmir Himalaya.
- VII) Biology and Cultivation of edible and medicinal mushrooms.
- VIII) Mycorrhizal functional diversity and its role in plant performance and ecosystem function.
- IX) Epidemiology, etiology and management of pathogenic diseases of important crops.
- X) Plant stress biology, plant proteomics and genomics; Genome editing for development of plants for environmental resilience.