

PROGRAMME OUTCOMES

B.Sc. Botany

1. PO1. Knowledge of Plant Diversity: Understand the classification, structure, reproduction, and evolutionary relationships of major plant groups.
2. PO2. Understanding of Plant Structure and Function: Gain in-depth knowledge of plant anatomy, morphology, physiology, and developmental biology.
3. PO3. Competence in Genetics and Molecular Biology: Explain genetic principles, heredity, molecular mechanisms, DNA technologies, and their applications in plant sciences.
4. PO4. Ecological and Environmental Awareness: Understand ecological principles, ecosystem functioning, biodiversity conservation, and environmental sustainability.
5. PO5. Skills in Laboratory Techniques: Perform experiments related to microscopy, biochemistry, physiology, plant taxonomy, and modern biological instrumentation.
6. PO6. Ability to Apply Scientific Methods: Design experiments, analyze results, interpret data, and draw meaningful scientific conclusions.
7. PO7. Knowledge of Economic and Applied Botany: Recognize the economic importance of plants in agriculture, medicine, forestry, horticulture, and industry.
8. PO8. Plant Pathology and Disease Management: Identify plant diseases, causal pathogens, and appropriate strategies for biological and eco-friendly disease control.
9. PO9. Field and Research Skills: Conduct field surveys, prepare herbarium specimens, study vegetation, and engage in basic research practices.
10. PO10. Use of Digital Tools and Bioinformatics: Utilize bioinformatics databases, software tools, and digital techniques used in modern plant research.
11. PO11. Communication and Scientific Writing: Develop effective communication skills, prepare scientific reports, presentations, and research documents.
12. PO12. Employability, Entrepreneurship, and Higher Education Preparedness: Gain competency for careers in research, education, environment, agriculture, forestry, biotechnology, and prepare for advanced studies.