

Department of Botany

Course: M.Sc Botany

PROGRAMME OUTCOMES (PO)

1. Critical Thinking with Scientific Temper: Frame students' thinking and actions in such way to check out the degree to which the assumptions are accurate and valid with a research mind, and looking at their ideas and decisions (intellectual, organizational, and personal) from different perspectives.
2. Research aptitude: Enhanced observations kindle research aptitude which ultimately lead to additions to the existing knowledge base
3. Effective Scientific Communication: Read, write, listen and disseminate plant science with research knowledge, in person and through scientific platforms and journals.
4. Problem Solving: Understand and solve the problems with reference to Nature and society to meet the specified needs using the knowledge, skills and attitudes acquired.
5. Effective Citizenship: Demonstrate empathetic environmental and social concern for equity centered global development, and develop the ability to act with an informed awareness of issues and participate incivic life through volunteering.
6. Environment and Sustainability: Understand the issues of environmental contexts and sustainable development at global level.
7. Independent and Life-long Learning: Acquire the ability to engage in independent learning through research and lifelong learning in the broadest context of socio-technological changes

PROGRAMME SPECIFIC OUTCOMES (PSOs)

- After completing the PG course in Botany, the students will be able to acquire competency in the area of plant biology.
- Will be competent in differentiating the diverse groups of plants and microbes
- Will be well versatile in understanding the importance of nature and natural ecosystems along with sustainable utilization of natural resources for the betterment of humankind.
- Will have a sound understanding in the cultivation process of crop plants, its diseases and managing the diseases.
- Will be trained in acquiring the problem solving skills in environmental monitoring and pollution control measures
- Understand the importance of biodiversity conservation
- Gain knowledge in understanding the importance of research, its methodology, use of library & digital resources ● The use of sophisticated equipments and to demonstrate analytical ability to tackle the scientific research problems and also to maintain a high level of botanical research. ● Acquire the ability to understand life processes at cellular as well as molecular level ● Acquire core competency in distinguishing the internal structure of various groups of plants and knows the concept, process, physiology of plant development.