

M. Sc. BOTANY

2020-22

Program Educational Objectives (PEOs):

PEO 1. Critical Thinking: Apply the knowledge of biology to make scientific queries and enhance the comprehension potential.

PEO 2. Effective Communication: Successful transfer of scientific knowledge both orally and in writing.

PEO 3. Social Interaction: Function as an individual, as a member or a leader to perform a task in class room situation or during field study.

PEO 4. Effective Citizenship: Responsible for learning, develop honesty in work and respect for self and others.

PEO 5. Ethics: Convey and practice social, environmental and biological ethics.

PEO 6. Environment and Sustainability: Insist the significance of conserving a clean environment for perpetuation and sustainable development.

PEO 7. Self-directed and Life-long Learning: study incessantly by self to cope with growing competition for higher studies and employment.

PROGRAMME OUTCOMES (POs)

PO-1. . Student can identify and classify all plant groups from algae to angiosperms, also understand the evolutionary relationship and their taxonomic aspects.

PO-2. Knows the concept, process, physiology, and molecular basis of plant development.

Also knows the methods of cultivation & economic importance of various species, millets, leguminous plants, fruits, essential oils, vegetables etc.

PO-3. Students know about economically important algae, their cultivation and applications. and also methods of preparation and application of algal products.

PO-4. Understand the application of Biopesticides; know about sources, methods and production of biofuel.

PO-5. Acquired knowledge of fermentation technology and production of fermented products

PO-6.In seed technology student gain knowledge about seed structure development, chemical composition, seed production, processing, seed testing, quality control, seed certification and new hybrid variety.

PO-7.Students learn the basic biostatistics, experimental statistics and bioinformatics.

PO-8. Students understood plant organism interaction,

PO-9.To inculcates the scientific temperament in the students and outside the scientific community.

PO-10. Student can speak, read, write and listen clearly in person and through electronic media in English and in one Indian language, and make meaning of the world by connecting people, ideas, books, media and technology.

PO-11.To demonstrating scientific knowledge with the understanding of the management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO-12. To Acquire the ability to engage in independent and life-long learning in the broadest context socio-technological changes

Programme Specific Outcomes (PSO)

PSO-1. Students acquired knowledge through practical work in fields as well as in laboratory.

PSO-2. Students are expose to various industrial process by industrial training.

PSO-3. Project helps for creating research attitude among the post graduate students