

PROGRAMME SPECIFIC OUTCOMES (PSOs)

At the end of the B. Sc. Botany Honours programme at Calicut University, a student would

PSO1	Understand and articulate fundamental concepts in botany, the role of plants in aesthetics, the range of plant diversity, biosafety, and intellectual property rights, thereby establishing a foundational knowledge of plant science conducive to subsequent study and research.
PSO2	Appreciate nature, and become socially responsible citizens by using the acquired knowledge to help conserve environment
PSO3	Critically Analyse and Apply botanical knowledge to address real-world issues, employing practical skills in Plant Sciences for personal, professional, environmental, and societal benefits, while developing a research-oriented mindset in related fields.
PSO4	Evaluate the validity and reliability of scientific evidence in botany, critically assessing research methods and conclusions in plant science studies, and effectively communicate botany-related concepts, research findings, and scientific information.
PSO5	Design, Conduct, and Analyse experiments using appropriate techniques and tools in the field of botany, while integrating information from various disciplines within and related to botany, such as bioinformatics, nanoscience, biotechnology, forensic botany, and artificial intelligence.
PSO6	Develop innovative solutions for conservation and sustainable plant resource management, bioprospecting, and sustainable agriculture using principles of plant science, while demonstrating creativity and entrepreneurial skills through project design and implementation.