

PROGRAMME OUTCOMES (POs)

At the end of the graduate programme at Calicut University, a student would:

PO1	Knowledge Acquisition: Demonstrate a profound understanding of knowledge trends and their impact on the chosen discipline of study.
PO2	Communication, Collaboration, Inclusiveness, and Leadership: Become a team player who drives positive change through effective communication, collaborative acumen, transformative leadership, and a dedication to inclusivity.
PO3	Professional Skills: Demonstrate professional skills to navigate diverse career paths with confidence and adaptability.
PO4	Digital Intelligence: Demonstrate proficiency in varied digital and technological tools to understand and interact with the digital world, thus effectively processing complex information.
PO5	Scientific Awareness and Critical Thinking: Emerge as an innovative problem-solver and impactful mediator, applying scientific understanding and critical thinking to address challenges and advance sustainable solutions.
PO6	Human Values, Professional Ethics, and Societal and Environmental Responsibility: Become a responsible leader, characterized by an unwavering commitment to human values, ethical conduct, and a fervent dedication to the well-being of society and the environment.
PO7	Research, Innovation, and Entrepreneurship: Emerge as a researcher and entrepreneurial leader, forging collaborative partnerships with industry, academia, and communities to contribute enduring solutions for local, regional, and global development.

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.