

DEPARTMENT OF BOTANY

Program Outcome

Botany is an interesting and informative subject which offers vital knowledge and technical skills to study plants in a holistic manner. Now-a-days there are so many challenging areas in Botany, which motivates students to pursue an undergraduate honours programme that will help in developing their critical thinking, scientific reasoning, analytical skills, effective communication, and sensitivity towards environment and sustainable living. Today Botany is not only restricted to fundamental and traditional knowledge, but also involves the modern and applied aspects like Biochemistry, Molecular Biology, Plant Biotechnology, Bioinformatics etc. Students applying in this programme would be trained in all areas of plant biology using a unique combination of core and elective papers with significant inter-disciplinary components. . This programme imparts knowledge on various fields of plant biology through teaching, practical classes, field trips, study tours, botanical excursions, summer internships, workshops, conferences, seminars and webinars. Use of Illustrations, Photographs, Charts, Permanent Slides, Museum and Herbarium Specimens along with ICT Methods provide an interesting insight into the beautiful world of plants. This course provides wide interdisciplinary knowledge and stimulates the students to think beyond the course knowledge, apply this knowledge for solving the environmental problems, efficient use of resources by designing novel and innovative experiments. .

Program specific outcome

To gain knowledge to produce professionals in the field of plant sciences in research and development, academics (teaching in Schools, Colleges and University), government and public services e.g. conservationist, plant explorer, ecologist, horticulturist, plant biochemist, genetics, nursery manager, molecular biologist, plant pathologist, taxonomist, farming consultant and environmental consultant. Further application of knowledge can enhance productivity of several economically important products. Knowledge of plant sciences is also necessary for the development and management of forests, parks, wastelands and sea wealth

Course outcome

The student would develop a skill to analyse the knowledge of the subject and think in a multidirectional way to solve the problem and to gain benefit in a sustainable manner.

The structure and content of the course enables students to reflect on the learning from different courses and integrate the same for a problem solving approach

The course enhance the skill of thinking about the application of the biology

The students will develop a confidence on gaining the knowledge and skill after this course and they will be able to effectively communicate their views, present their work and impress the audience

The programme also has a strong interdisciplinary component. Emphasis is on experiential learning through hands-on laboratory exercises, field trips and assignments. Current thrust areas of teaching provide students with substantial exposure and skills in plant biology.