

B.Sc. (P) Applied Life Science

Program outcomes

B.Sc. programme in Agrochemicals and Pest Management (ACPM) is designed to develop in depth knowledge of the core concepts and principles of Agrochemical and Pest Management. Undergraduates pursuing this programme of study go through laboratory work that specifically develops their quantitative and qualitative skills, provides opportunities for critical thinking and team work and exposes them to techniques useful for applied areas of scientific study.

- **Knowledge, Depth and Width:** Students acquire sound theoretical knowledge and understanding of the fundamental concepts, principles and processes in Agrochemical and Pest Management. Depth in understanding is the outcome of transactional effectiveness and treatment of specialized course contents. Width results from the choice of electives that students are offered.
- **Instrumental technique:** A much valued learning outcome of this programme is the laboratory skills that students develop during the course. The techniques gained through hands- on methods opens a choice of joining the industrial laboratory work force after graduation. The programme also provides an ample training in handling basic chemical and biological laboratory instruments and their use in the interfacial scientific determinations. Undergraduates on completion of this programme can cross branches to join pharmaceutical, material testing laboratories besides agrochemicals, pest management labs.
- **Communication:** Communication is a highly desirable attribute to possess. Opportunities to enhance student's ability to write methodical, logical and precise reports are inherent to the structure of the programme. Techniques that effectively communicate scientific content to large audiences are acquired through oral and poster presentations and regular laboratory report writing.
- **Capacity Enhancement:** Modern day scientific environment requires students to possess ability to think independently as well as be able to work productively in groups. This requires some degree of balancing. The ACPM course is designed to take care of this important aspect of student development through effective teaching learning process.
- **Portable Skills:** Besides communication skills, the programme develops a range of portable or transferable skills in students that they can carry with them to their new work environment after completion of ACPM programme. These are problem solving, information retrieval skills and organizational skills. These are valued across work environments.