



Department of Biotechnology

M.Sc. Biotechnology

PROGRAMME SPECIFIC OUTCOMES (PSOs)

On successful completion of M.Sc. Biotechnology, the students will

PSO 1: acquire knowledge and nuances of applied aspects of Biotechnology – cell and molecular biology, microbial technology, genomics, proteomics, genetic engineering, advanced plant and animal sciences, computational biology, etc.

PSO 2: exhibit critical thinking and analytical skills on the broad spectrum of Biotechnology, so as to meet the global demands of industry and academia.

PSO 3: administer skill sets to use research-based knowledge including design of experiments, analysis, and interpretation of data, and synthesis of the information to provide valid conclusions.

PSO 4: equip themselves to read, write, and prepare scientific papers and present effectively in various forums and to tabulate and interpret the Biological data using computer software.

PSO 5: appraise the impact of the biological solutions/needs in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development and show commitment to professional ethics and moral values.

PSO 6: exhibit contemporary knowledge and skills in Biotechnology to work in the pharmaceutical and biotechnological industries and function effectively as an individual, and as a member or leader in teams, and in multidisciplinary settings.

PSO 7: obtain ability to think independently and develop lifelong learning skills in data collection, analysis, evaluation of the Biotechnological concepts, and apply them in real-time situations.