



Department of Chemistry

B.Sc. Chemistry

PROGRAMME SPECIFIC OUTCOMES (PSOs)

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

PSO1: acquire comprehensive knowledge and understanding of both theoretical and experimental/applied chemistry knowledge in various fields like Analytical chemistry, Physical Chemistry, Inorganic Chemistry, Organic Chemistry, Material chemistry, etc.

PSO2: develop skills to identify chemistry related problems, analysis and application of data using appropriate methodologies.

PSO3: design scientific experiments through statistical hypothesis testing, appropriate questions, planning and reporting experimental investigation.

PSO4: communicate effectively the concepts through technical writing as well as through oral presentation and acquire the ability to work in chemical simulation software and related computational work.

PSO5: embrace moral and research ethics, including fair benefit sharing, plagiarism, scientific misconduct and so on and develop the ability to spot data fabrication and fake news by applying rational skepticism and analytical reasoning.

PSO6: act as a team player by contributing in laboratory, field based situation and industry by acquiring technical, communicative, problem solving, intellectual and leadership skills.

PSO7: engage in independent and lifelong learning through use of advanced ICT techniques for personal academic growth as well as for increasing employability opportunity.