

**KANNUR UNIVERSITY**  
**BSC CHEMISTRY PROGRAMME**  
**PROGRAMME SPECIFIC OUTCOMES (PSOs)**

The following are the expected specific outcomes of a competent Chemistry graduate, which ensures a strong foundation in Chemistry and the skills necessary to contribute to scientific advancements, industry, and societal well-being. It's important to note that specific outcomes may vary between institutions and their unique program structures.

**PSO1** Demonstrate a comprehensive understanding of the fundamental principles and theories in various domains of chemistry.

**PSO2** Develop proficient laboratory skills to use laboratory techniques, equipment, perform experiments, analyse data, and interpret the result.

**PSO3** Cultivate critical thinking skills and the ability to apply scientific principles and wisdom to solve complex problems in chemistry and related fields.

**PSO4** Recognize and appreciate the interdisciplinary nature of chemistry with biological-physical science, environmental science and materials science.

**PSO5** Gain proficiency in advanced concepts, modern technologies and software tools relevant to chemistry, including computational chemistry software, laboratory instrumentation and data analysis tools.

**PSO6** Develop awareness on environmental and social impact of chemical processes and recognises the importance of sustainable methods and green chemistry in various contexts.

**PSO7** Develop the ability to conduct independent research and introduce a culture of scientific collaboration with peers in projects and laboratory work along with fostering teamwork and interpersonal skills.