

Department of Chemistry
Sarojini Naidu College for Women

Name of the Academic Program: B. Sc.(Hons) in Chemistry

Program Specific Outcomes (PSO)

After successful completion of B.Sc. (Hons.) in Chemistry, students gain the knowledge of the following:

- PSO1:** Students will be able to understand and apply fundamental concepts of chemistry, such as chemical reactions, atomic structure, and thermodynamics.
- PSO2:** Students will be able to use laboratory equipment and techniques to conduct chemical experiments and analyze data.
- PSO3:** Students will be able to identify and explain the properties and uses of different elements and compounds, and understand the chemical reactions that occur between them.
- PSO4:** Students will be able to use mathematical concepts, such as stoichiometry, to solve chemical problems and predict the outcome of reactions.
- PSO5:** Students will be able to understand the principles of organic and inorganic chemistry and its applications in various fields.
- PSO6:** Students will be able to understand the principles of analytical chemistry and its application in determining the composition and purity of substances.
- PSO7:** Students will be able to understand the principles of physical chemistry and its application in understanding the behavior of matter and energy.
- PSO8:** Students will be able to understand the principles of biochemistry and its application in understanding the chemistry of living organisms.
- PSO9:** Students will be able to understand the principles of environmental chemistry and its application in understanding the impact of human activity on the environment.
- PSO10:** Students will be able to understand the principles of materials chemistry and its application in developing new materials with specific properties.