

JSS College For Women (Autonomous)
Program Specific Outcome
B.Sc Combination-Biochemistry, Biotechnology

PSO1. Demonstrate an understanding of the fundamental principles and concepts of biochemistry, Including the structure and function of biomolecules such as proteins, nucleic acids, and Carbohydrates.

PSO2. Analyze and interpret experimental data using biochemical techniques such as Chromatography, electrophoresis, and spectrophotometry.

PSO3. Apply biochemistry principles and techniques to solve problems related to human health, Food science and biotechnology.

PSO4. Demonstrate effective communication and teamwork skills in the context of scientific Research.

PSO5. Demonstrate ethical behavior and awareness of the societal and environmental impact of Biochemistry research and technology.

PSO6. Pursue advanced studies in biochemistry or related fields, or pursue careers in academia, Industry or government.

PSO7. Overall, the program aims to equip students with a strong foundation in biochemistry and related fields, as well as the skills and knowledge necessary for success in further studies

PSO8: Domain Knowledge - Acquire and apply knowledge of science in relevant areas.

PSO9: Problem Analysis – Recognize real-world problems and user's requirements to propose solutions for the same using basic principles of science.

PSO10: Design and Development of Solutions – Developing solutions and inferences for complex problems using critical and analytical thinking.

PSO11: Investigation & Research – Ability to formulate hypothesis, augment research questions and identify & refer relevant sources for examining or inspecting technical issues as per their level of understanding and knowledge.

PSO12: Use of Modern Techniques/Tools – Use digital resources, various software/platforms and appropriate techniques to interpret concepts of science.

PSO13: Impact of Science on Society – To prepare competent human resource and to develop scientific attitude at local and global levels for social benefit.

PSO14: Environment and Sustainability – Apply the knowledge gained for conserving environment and to handle environmental issues with sustainable solutions.

PSO15: Moral and Ethical Values – Imbibe moral values and professional ethics to maintain the integrality in a professional scenario while being aware of the cultural diversities.

PSO16: Individual and Team Work with Time Management – Work productively in a team or as an individual while exhibiting time management skills.

PSO17: Communication – Develop the caliber to convey various concepts of science effectively.

PSO18: Project Management and Finance – Set up enterprises/companies and build entrepreneurship, project management and finance planning skills.

PSO19: Life-long Learning – Engage in the art of self-directed learning.