

JSS College for Women (Autonomous)
Program Specific Outcome
B.Sc Combination: Botany and Microbiology

PSO1 Study of Science Disciplines like Botany and Microbiology would inculcate critical bent of mind and infuses objectivity, analytical perceptions among students.

PSO2. Understand the nature and basic concepts of Microbiology, Microbial biochemistry, Microbial ecology.

PSO3. Analyze the relationships among microbes and plants.

PSO4. Perform procedures as per laboratory standards in the areas of Biochemistry, Bioinformatics, Taxonomy, Ecology, Fermentation and Microbial Technology

PSO5. Understand the applications of Microbiological sciences in Agriculture, Medicine, Environment etc

PSO6. Understanding the concepts of Biotechnology with reference to Cell Biology, Genetics and Molecular biology, Immunology, Microbiology, Biochemistry, Microbial technology, Fermentation Technology, Enzyme technology, Environment Biotechnology, Chemistry to appreciate how diverse phenomena observed in nature and in daily life.

PSO7. Students will be able plan, conduct experiments, analyze and interpret data for investigating problems in Biotechnology and allied fields. Learn to carry out experiments in basic as well as certain advanced areas of biotechnology such as Biochemistry, Plant Biotechnology, Enzyme technology and Bioinformatics.

PSO8. Understand the basic concepts of certain sub fields such as Biochemistry and Industrial biotechnology, Molecular Biotechnology, Environment Biotechnology, Agri-biotechnology, general theory of Bioremediation and Fermentation.

PSO9. Gain hands on experience to work in applied fields of biological sciences. Learn different techniques pertaining to diverse field of biotechnology at theoretical and experimentation/practical level. Gaining knowledge to transform theoretical concept to practical products/process and learning laws concerning to patents and IPR. Gain a thorough Knowledge in the subject to be able to teach it at school level and lower classes

PSO10. Relate the global scenario and interdisciplinary science areas and opportunity for development of technology in India and abroad. Viewing biotechnology as a tool the developing mind and critical attitude and the faculty of logical reasoning that is prepared to serve in diverse fields.

PSO11. Students would develop objective and perceptive thinking which in turn help them become rational and radical.

PSO12. Study of Medicinal and Aromatic plants would help students in the cultivation of medicinal plants and also ornamental flowering plants. The knowledge of which will help them to become entrepreneurs.