



ST. ALOYSIUS COLLEGE(AUTONOMOUS), JABALPUR

Reaccredited 'A+' Grade by NAAC(CGPA:3.68/4.00)

College with Potential for Excellence by UGC

DST-FIST Supported & STAR College Scheme by DBT

Faculty of Biological Sciences

PROGRAM SPECIFIC OUTCOMES (PSO)

PROGRAM: B.SC. (CBZ)

PSO No.	Programme Specific Outcomes Upon completion of these courses the student would
PSO 1	Acquire knowledge of diversity of lower and higher plants in identification of flora around them
PSO 2	Understand the taxonomical embryological aspect of angiosperms for creating a sustainable environment
PSO 3	Recall physiological processes cell structure and genetics of plants
PSO 4	Analyse biotechnological tools and techniques for assessing their applications in human life.
PSO 5	Understand microbial diversity, tools and techniques for microbial identification.
PSO 6	Assess physiological metabolic genetically and molecular aspects of microorganism
PSO 7	Develop skills in fermentation technology for the production of antibiotics ,vitamins and enzymes.
PSO 8	Evaluate the application of microorganism in bioremediation,biofertilizers production of metabolites food and dairy industries as well as in various agricultural aspects
PSO 9	The students are prepared for employability in various technical positions like scientific assistants, chemists, quality control assistants, etc.
PSO 10	The students are prepared for employability through competitive exams like IT officers/bank employees in various public and private sectors
PSO 11	The students can go for higher studies in their chosen field.

PROGRAM: B.SC. (IMB)

PSO No.	Programme Specific Outcomes Upon completion of these courses the student would
PSO-1	Acquire knowledge of diversity of lower and higher plants in identification of flora around them
PSO-2	Understand the taxonomical embryological aspect of angiosperms for creating a sustainable environment
PSO-3	Recall physiological processes cell structure and genetics of plants
PSO-4	Analyse biotechnological tools and techniques for assessing their applications in human life.
PSO-5	Understand microbial diversity, tools and techniques for microbial identification.
PSO-6	Assess physiological metabolic genetically and molecular aspects of microorganism
PSO-7	Develop skills in fermentation technology for the production of antibiotics ,vitamins and enzymes.
PSO-8	Evaluate the application of microorganism in bioremediation, biofertilizers production of metabolites food and dairy industries as well as in various agricultural aspects
PSO 9	The students are prepared for employability in various technical positions like scientific assistants, chemists, quality control assistants, etc.
PSO 10	The students are prepared for employability through competitive exams like IT officers/bank employees in various public and private sectors
PSO 11	The students can go for higher studies in their chosen field.

PROGRAM: B.SC. (BTZ)

PSO No.	Programme Specific Outcomes Upon completion of these courses the student would
PSO-1	Students will be able to design, conduct experiments, analyze and interpret data for Investigating problems in Biotechnology and allied fields.
PSO-2	Demonstrate proficiency in basic science and foundation biotechnology course.
PSO-3	Demonstrate a working knowledge of advanced biological sciences.
PSO-4	Demonstrate an ability to appear for National level examination to pursue higher studies.
PSO-5	Demonstrate practical and theoretical knowledge essential for pursuing higher studies. Several career opportunities are available for students with biotechnology background in India as well as in abroad.
PSO-6	Demonstrate an ability to identify careers in biotechnology, domain like Pharmaceutical, Food Industry etc, and skills required to work in a biotechnology laboratory or manufacturing Facility
PSO-7	Acquire conceptual knowledge of different phyla, of invertebrates their distribution and relationship, Attain information of Corals and Coral Reef formation, Protozoa, nematode & insect Vectors and related Diseases and gain basic knowledge of taxonomy
PSO-8	Study internal structure of cell, functions of various cellular organelles and different stages involved in the development of embryo. Acquire conceptual knowledge of Parthenogenesis Regeneration and stem cells.
PSO-9	Students will acquire detailed knowledge of protochordates and chordates taxonomy,

	adaptations and process of evolution in relation to their environment and study of different zoogeographical regions to develop academics competence
PSO-10	Acquire knowledge of physiology and biochemistry and Perform experimental procedures and interpret the results in the areas of physiology
PSO-11	Perform experimental procedures and interpret the results in the areas of cell & molecular biology and genetics. Genetics is to helps us to understand the major ethical issues related to biodiversity, variations, mutation as well as various syndromes, physiological disorders and diseases in Man
PSO-12	Knowledge of ecological factors, environmental conservation, biodiversity conservation and protection of threatened species, Aquaculture, Apiculture, Sericulture and Lac culture etc and be prepared to successfully compete in graduate programs, job placement and become a socially responsible citizen and to develop entrepreneurship skills
PSO-13	The students are prepared for employability in various technical positions like scientific assistants, chemists, quality control assistants, etc.
PSO-14	The students are prepared for employability through competitive exams like IT officers/bank employees in various public and private sectors
PSO-15	The students can go for higher studies in their chosen field.

