

MATA GUJRI MAHILA MAHAVIDYALAYA (AUTONOMOUS), JABALPUR

**PROGRAM EDUCATIONAL OBJECTIVES (PEOS),
PROGRAM OUTCOMES (POS) & PROGRAM SPECIFIC OUTCOMES
(PSOS)**

P.G. Department of Zoology

M.Sc Zoology

Vision

- Developing Observational, Analytical and Evaluation skills related to the subject.
- Enable the learner to understand, think and evolve strategies for management and conservation of environment for sustaining life on earth.
- To motivate the students in the field of advance research.

Mission

- Make the department vibrant and support the developmental activity of the college.
- Make contribution in the area of animal health, biodiversity and healthy environment for the society.
- Provide public facility lab for awareness regarding adulteration and community health.
- To Provide research facility to create excellent professionals in the field of zoology to serve environment, biodiversity and the society
- To make P.G degree a very important tool and open a plethora of opportunities for further studies, research as well as lucrative employment prospects.

Program Educational Objectives (PEOs)

- To apply the theoretical knowledge gained during the program to actual practice of laboratory animal science.
- To develop problem solving skills in students and encourage them to carry out innovative research projects thereby enkindling in them the spirit of knowledge creation.
- To equip the students to perform functions that demand higher competence in national/ international organizations.
- To serve the community by providing skilled non-medico professionals through a certificate course on Community Health.

Course Outcome P.G.

Semester	Title of the course	Outcome
M.Sc. I Sem	I- Biosystematics , Taxonomy and Evolution	To get elementary idea of biosystematics and Evolutionary Significance
	II- Structure and function of Invertebrates	To study comparative account of different phyla.
	III- Quantitative biology, Biodiversity and Wild Life	To inculcate critical thinking and analytical skills related to research in Lie Sciences, and Producing Contributors in the area of Biological Research, Teaching and Biodiversity Conservation and Wild Life
	IV- Biomolecules and Structural Biology	To get knowledge of Biochemistry of life.
M.Sc II Sem	I- General and Comparative Animal Physiology and Endocrinolgy	To get the basic idea of Hormones and metabolites
	II- Population Ecology and Environmental Physiology	To gain knowledge regarding Life tables and environmental impact on population.
	III- Tools and Techniques for Biology	Developing academically sound future researchers and intellectuals in the area of, Molecular biology, Genetics, Cell biology, Immunology, etc.
	IV- Molecular Cell Biology and Genetics	Recent knowledge regarding genetic engineering.
M.Sc. III Sem	I Comparative Anatomy of Vertebrates	Phylogeny and importance of organ development
	II Limnology	Get the idea of fresh water ecology and its significance
	III Eco toxicology	To get the idea of toxic effluents and its impact on faunal diversity
	IV Aquaculture	To get the idea of fish culture, poly culture etc
M.Sc. IV Sem	I Animal Behavior and Neurophysiology	To get the idea of social organization, aspects of behavioural and neurophysiology
	II Gamete Biology Developmental	Enhance knowledge of animal reproduction and development

	and Differentiation	
	III Wild life Conservation	To develop thorough knowledge to conserve wild animals ,law and policy of government
	IV Environment and Biodiversity Conservation	In-depth knowledge of extinction of faunal diversity and importance of in-situ and ex-situ conservation.