

# MAHATMA GANDHI CENTRAL UNIVERSITY

# Department of Zoology

# INFORMATION BROCHURE

## About Department

The Department of Zoology is an integral entity of the School of Life-Sciences, Mahatma Gandhi Central University, Bihar. The department, since its inception in 2016, has been the foremost centre for learning.

The Department places emphasis on laboratory component in the teaching and research projects to contribute for the development entirety

## Vision

To impart quality education and create and nurture students in the domain areas of Zoology.

To enrich them with knowledge and skills and transform them into responsible individuals with capability and high morals.

## Mission

To teach students the basic concepts as well as recent trends and advances in the domain subjects.

To nurture students with hands-on training to develop practical skills.

To encourage applied learning, participative and experiential learning among students.

To enlighten and empower students with intellectual stamina, integrity and capacity to take on the real world issues.



# Academics

Programme offered

M.Sc. Zoology

Ph.D.

Zoology Course Study



# Holistic Training

**Seminars and  
academic activities to  
enhance student's  
knowledge**

**Hand-on training**

**Educational Tours**

**Value Added Course**

# Faculty Profile

The Department Of Zoology is adorned with highly experienced, globally exposed, and skilled faculties imparting quality education and training, taking care of the well-being of students and constantly support them in their academics and co-curricular endeavors.



**Prof. Pranveer Singh** (Dean & Head) Department of Zoology, School of Life Sciences

**Research & Areas of Interests/Specialization:** Biophysics, Proteomics, Disease Biology, Evolutionary Population Genetics



**Prof Arttatrana Pal** (Professor) Department of Zoology, School of Life Sciences

**Research & Areas of Interests/Specialization:** Metabolic Disease Biology and Therapeutics; Diabetic Neuropathy; Stem Cell Biology; Nanotechnology; Toxicology



**Dr Preeti Bajpai** (Associate Professor) Department of Zoology, School of Life Sciences

**Research & Areas of Interests/Specialization:** Innate Immunology, Immunotherapeutics, Host-Parasite interaction, Immunoinformatics





**Dr Buddhi Prakash Jain** (Assistant Professor) Department of Zoology, School of Life Sciences  
**Research & Areas of Interests/Specialization :** Post transcriptional regulation of gene expression in Cancer; Endoplasmic reticulum stress and Cancer.



**Dr Amit Ranjan** (Assistant Professor) Department of Zoology, School of Life Sciences  
**Research & Areas of Interests/Specialization :** Neurobiology : Neuronal Plasticity; Neurodegeneration; Neuroimaging and Behaviour biology of sleep-wake; learning and memory.



**Dr Shyam Babu Prasad** (Assistant Professor) Department of Zoology, School of Life Sciences  
**Research & Areas of Interests/Specialization :** PI3K/AKT Signaling, Genetic and Epigenetic alteration in Cervical Cancer & EMT (Epithelial Mesenchymal Transition) in Cancer Progression, Molecular Oncology, Cellular Signaling and drug resistance in cancer



**Dr Kundan Kishor Rajak** (Assistant Professor) Department of Zoology, School of Life Sciences  
**Research & Areas of Interests/Specialization :** Tissue culture and mycorrhizal ; Genetics of host pathogen interaction, Toxicology

# Promoting Research

**Globally exposed faculties with diverse and multifarious interests in basic and applied research**

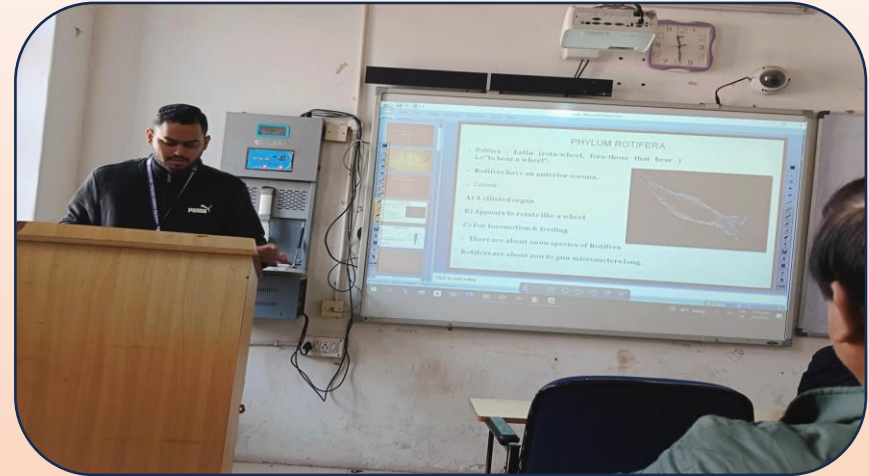
**High quality, high impact publications with citation across high-tier journals across globe**

**Research is promoted on transdisciplinary and multidisciplinary level and open to scholars from different streams.**

# Amenities and Facilities



**PG Classrooms**



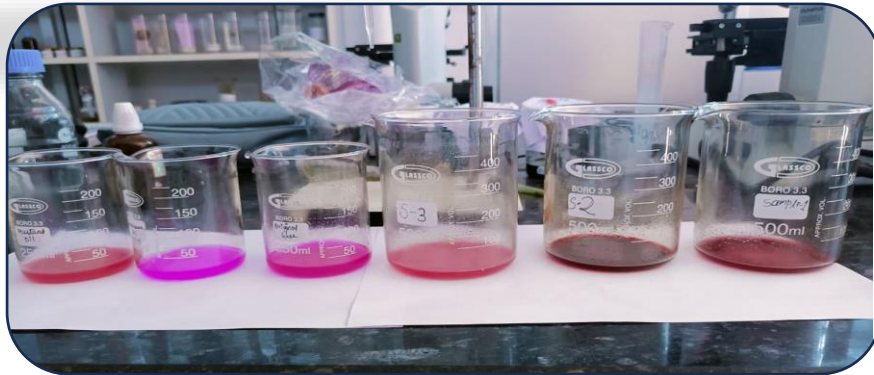
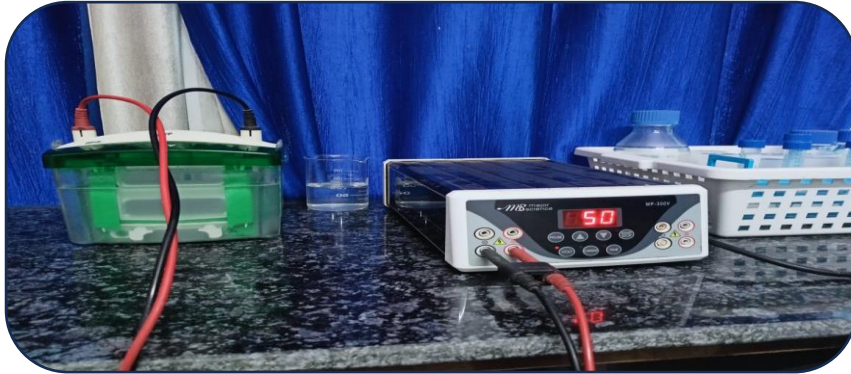
**Smart Classrooms**



**State-of art equipped advanced laboratory**

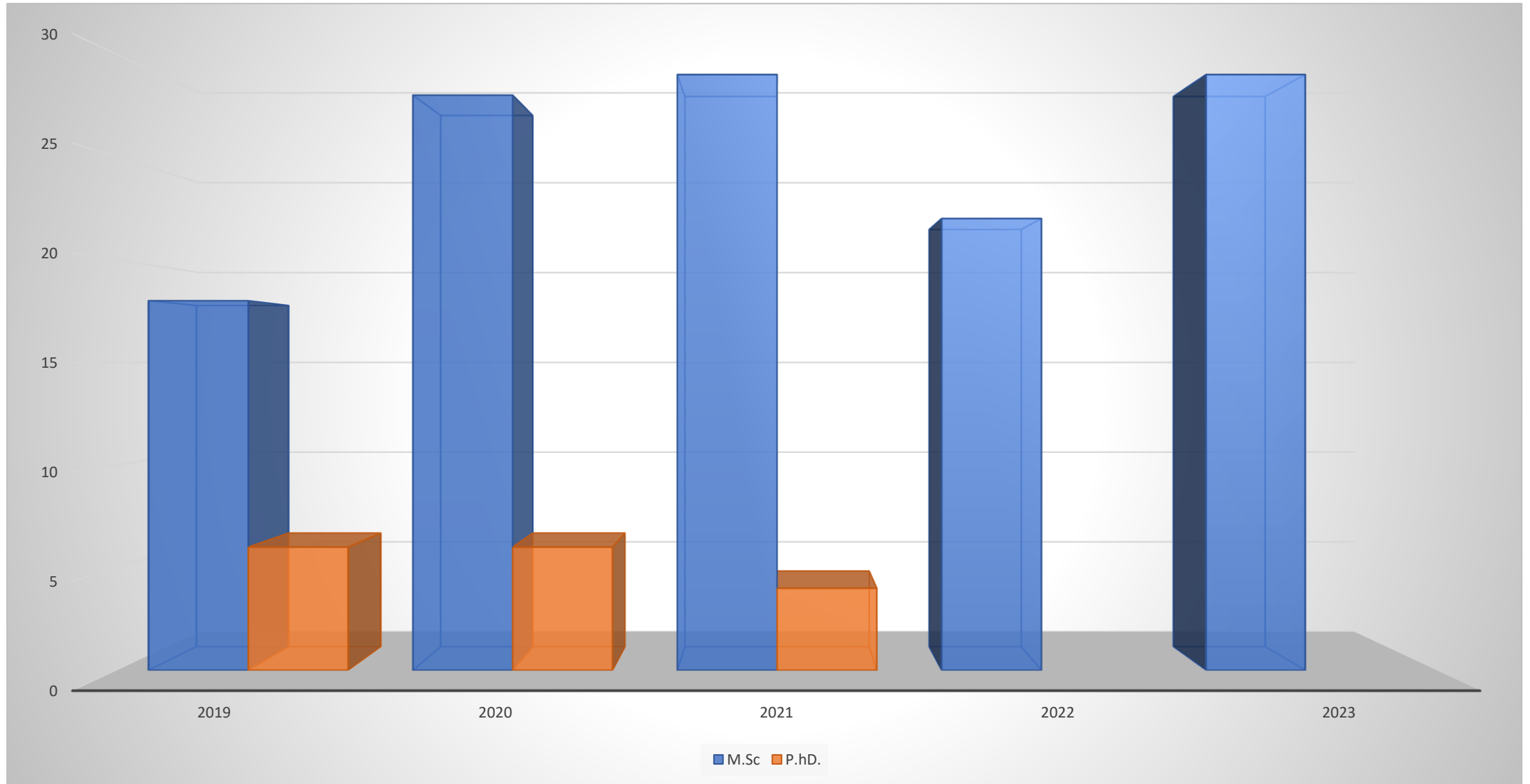


# Teaching Laboratory



- \* **Laboratories** as per GLP standard
- \* Equipment used for teaching
  - Spectrophotometer
  - Centrifuge
  - Thermocycler
  - Laminar flow
  - Microscope
  - Electrophoresis units
  - Refrigerated incubator shaker
  - Elisa reader

# Admitted Student Details



# Achievements and Placement

## **Competitive Exams** qualified by M.Sc. Students

- ☐ CSIR NET-JRF
- ☐ UGC NET-JRF
- ☐ GATE
- ☐ Bihar Institute of Public Administration & Rural Development (BIPARD)
- ☐ Senior Zoological Assistant, Zoological Survey of India (ZSI)ms
- ☐ Banking and Non-IT streams