

Programme Outcome (PO)

After successful completion, a postgraduate in Zoology will be able to:

- PO1** – Demonstrate deep understanding of animal diversity, structure-function relationships, evolution, genetics, biochemistry, physiology, and developmental mechanisms.
- PO2** – Perform advanced laboratory techniques including molecular biology, microscopy, biochemical assays, ecological surveys, physiological analysis, and parasitological diagnostics.
- PO3** – Design experiments, perform data analysis using biostatistics and bioinformatics, interpret results, and prepare research papers and reports.
- PO4** – Apply scientific reasoning to identify zoological issues related to environment, aquaculture, parasitology, biodiversity loss and propose sustainable solutions.
- PO5** – Use scientific software, databases (BLAST, EMBL, GenBank), digital tools for data acquisition, and statistical decision-making.
- PO6** – Analyze effects of pollution, climate change, invasive species, parasites, and human activities on ecosystems and contribute to conservation initiatives.
- PO7** – Present scientific information effectively through seminars, outreach, and collaborative research activities.
- PO8** – Demonstrate laboratory safety, ethical handling of animals, and responsible research conduct in accordance with global standards.
- PO9** – Acquire job-oriented skills for roles in teaching, research labs, aquaculture industries, environmental agencies, biomedical sectors, and pursue entrepreneurial ventures (e.g., fishery, sericulture, apiculture).
- PO10** – Continue professional development through higher studies, competitive exams, and technology adoption in the life sciences sector.