

DEPARTMENT OF ZOOLOGY (DST- FIST & UGC-DRS supported Department)

YEAR OF ESTABLISHMENT

1968

ADDRESS

THE UNIVERSITY OF BURDWAN
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ABOUT OUR DEPARTMENT

The University of Burdwan is one of the oldest Universities of West Bengal, to initiate a post graduate teaching and research in Zoology. The department has the good teaching and research infrastructure catering to post graduate course, M. Phil. programme, Ph.D. programme, post graduate research and D.Sc. Presently, a team of 14 faculty members is engaged in research in the diverse areas of aquaculture, ecology, entomology, fishery, parasitology, microbiology, molecular biology, and toxicology for blending the basic and the applied research. For the outstanding contribution, department has got the DST-FIST and UGC-DRS and BSR special grants for the development of state of art research infrastructure. Research works of the faculty members are well funded by the different agencies, like UGC, CSIR, SERB, DBT, ICMR, ICAR, MoEF&CC, WB-DST. In the last 5 years department has got Rs. 5 Cr extramural funds, by the individual projects. The department has earned the reputation for supporting the different stake holders of the society – like Salt Lake Municipality, Kolkata Durodorson, All India radio, private companies – Like Godrej, Clinical House like Peerless hospital, and others by the participation of the faculty members. The success of the Department of Zoology is a continuous process and students, research fellows, office staff members, and faculty members have the zeal to reach at highest possible position in the academic arena.

COURSES OFFERED

- M.SC. IN ZOOLOGY
- M. PHIL
- PH.D.
- POST-DOCTORAL FELLOWSHIP

SPECIALIZATION

AQUACULTURE & FISHERIES
ECOLOGY & ENVIRONMENTAL BIOLOGY
ENTOMOLOGY
MOLECULAR BIOLOGY & GENETICS
PARASITOLOGY & MICROBIOLOGY

IN-TAKE CAPACITY

M.SC. ZOOLOGY – 86 SEATS
M. PHIL.
PH.D.

FACULTY

NO OF PROFESSORS: 3
NO OF ASSOCIATE PROFESSOR : 4
NO OF ASSISTANT PROFESSOR: 7(1 LIEN)
NON-TEACHING STAFF: 11

RESEARCH AREAS

- A. Ultra-structure of fish organs
- B. Fish Endocrinology
- C. Vector borne diseases and control by nano technology & natural products
- D. Epidemiology
- E. Dipteran taxonomy & Strepsipteran parasitoids
- F. Medical entomology
- G. Biosystematics of Chironomidae & Strepsiptera
- H. Chironomid larvae as fish feed
- I. Cancer-immune system signaling
- J. Genetic disorder- Thalassemia
- K. Plant product & cellular Toxicity
- L. Vector & Parasite Ecology, Vector & Pest control by Microbial insecticides
- M. Fish nutrition & Probiotics
- N. Chemical ecology : Plant- Insect interaction
- O. Metal toxicities on *Drosophila melanogaster*
- P. Cancer Immunotherapy
- Q. Helminth taxonomy& systematics
- R. Cancer and Genetical markers

PAPER/BOOK PUBLICATION (LAST FIVE YEARS)

- BOOK PUBLICATION : 6
- INTERNATIONAL JOURNAL : 225
- NATIONAL JOURNAL : 23
- INTERNATIONAL CONFERENCE:
- NATIONAL CONFERENCE : 3

RESEARCH FUNDED BY

- DBT
- DRDO
- DST,
- SERB, DST
- WB-DST,
- MoEF&CC,
- UGC

IMPORTANT JOURNALS

Scientific Reports
Journal of Hazardous Materials
RSC Advances
Mutation Research
PLOS One
Journal of Chemical Ecology
Cell Proliferation
Toxicology and Industrial Health
Medical & Veterinary Entomology
Hydrobiologia
Indian Journal of Medical Research
Parasitology Research
Aquaculture Research
Genome Announcement
Acta Tropica
Journal of Microscopy and Ultra structure

INFRASTRUCTURE

- MICROBIAL CULTURE , CELL CULTURE, INVITRO-CANCER CELL LINE, DROSOPHILA CULTURE, FLOW TROUGH AQUARIUM, GREEN HOUSE, NET HOUSE
- FACILITIES: COLD ROOM, ANIMAL HOUSE, COMPUTER LAB
- INSTRUMENTATION: HPLC, FT-IR, FLURESCENCE MICROSCOPE WITH IMAGING PLATFORM, AUTO - ANALYZER, GEL DOC, PCR, GAS CHROMATOGRAPHY AND OTHERS

COLLABORATION WITH OTHER INSTITUTIONS

- UNIVERSITY OF TROMSØ, NORWAY
- UNIVERSITY OF PLYMOUTH, UK
- DEPARTMENT OF PATHOLOGY & SURGERY, BURDWAN MEDICAL COLLEGE & HOSPITAL

DISTINGUISHED ALUMNI

- PROF. SUSANTA BANERJEE, PROFESSOR, KANSAS UNIVERSITY, MEDICAL CENTER, KANSAS, USA.
- PROF. ANUPAM CHATTERJEE, DEPARTMENT OF BIOTECHNOLOGY, NORTH EASTERN HILL UNIVERSITY, SHILLONG.
- PROF. SAILESH CHATTOPADHYAY, DEPARTMENT OF FORESTRY, BIRSA AGRICULTURE UNIVERSITY, RANCHI.
- PROF. SAUMEN KUMAR MAITRA, DEPARTMENT OF ZOOLOGY, VISVABHARATI, SANTINIKETAN.
- PROF. ARUN K. RAY. DEPARTMENT OF ZOOLOGY, VISVABHARATI, SANTINIKETAN.
- PROF. D. N. DAS, DEAN, FACULTY OF SCIENCE, RAJIV GANDHI UNIVERSITY, ARUNACHAL PRADESH.
- PROF. G. K. SAHA, DEPARTMENT OF ZOOLOGY, CALCUTTA UNIVERSITY.
- PROF. TAPAS CHOWDHURY, DEPARTMENT OF ZOOLOGY, NORTH BENGAL UNIVERSITY.
- PROF. RINA CHAKRABORTI, PROFESSOR, DEPARTMENT OF ZOOLOGY, DELHI UNIVERSITY.
- DR. SAIBAL DEY, VICE CHAIR AND ASSOCIATE PROFESSOR, UNIFORMED SERVICES UNIVERSITY OF THE HEALTH SCIENCES, USA.
- DR. SHUBAS CHANDRA DAS, FORMER DIRECTOR, DRDO, HIMACHAL PRADESH.
- DR. KARTIK MANDAL, FORMER JOINT DIRECTOR, CENTRAL SERICULTURE RESEARCH & TRAINING INSTITUTE, BERHAMPURE, WEST BENGAL.
- DR. DEBAPRATIM KAR CHOWDHURI, CHIEF SCIENTIST, IITR, LUCKHNOW.
- DR. ASIS KUMAR HAZRA, FORMER JOINT DIRECTOR, ZOOLOGICAL SURVEY OF INDIA. KOLKATA (PARTICIPATED IN ANTARCTIC EXPEDITION AS FIRST INDIAN ZOOLOGIST).
- DR. SAMSUDDIN , FORMER DIRECTOR, SERICULTURE.