

Dept. of Environmental Science

YEAR OF ESTABLISHMENT
2002

ADDRESS

THE UNIVERSITY OF BURDWAN
GOLAPBAG CAMPUS, BURDWAN,
WEST BENGAL – 713104



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COURSES OFFERED

M.SC. IN ENVIRONMENTAL SCIENCE
(2 YEARS)

PH.D.

POST-DOCTORAL FELLOWSHIP

SPECIALIZATION

ECOTOXICOLOGY

ENVIRONMENTAL CHEMISTRY

ENVIRONMENTAL GEOSCIENCES

ECOLOGY AND ENVIRONMENTAL

MODELLING

MICROBIOLOGY AND MICROBIAL

TECHNOLOGY

IN-TAKE CAPACITY

M.SC ENVIRONMENTAL SCIENCE – 27

SEATS

PH.D. – 8 PER PROFESSOR

- 6 PER ASSOCIATE PROFESSOR

-4 PER ASSISTANT PROFESSOR

FACULTY

NO OF PROFESSORS : 1

NO OF ASSOCIATE PROFESSOR : -0

NO OF ASSISTANT PROFESSOR : 3

NON-TEACHING STAFF : 6

ABOUT OUR DEPARTMENT

Vision: Students are our Concern

Mission:

- Our mission is to develop research potential among the students as well as skillful and employable students in the desirable job market.
- Rendering services to the society and creating awareness about safe environment

Brief on Department:

Department of Environmental Science started its journey during 1998-'99 with M.Phil in Environmental Science under COSIST Programme of UGC headed by Dr Subrata Roy, Professor of Zoology as Coordinator. Eminent & distinguished faculty members from different departments were associated to comply with the multidisciplinary nature of the syllabus of Environmental Science as per UGC norms. Since inception the Course was run smoothly with their active involvement and worthy contributions in the subject. Three sanctioned posts (one Reader & two Lecturers) of UGC under COSIST Programme were filled up from diverse disciplines of Zoology, Botany and Chemistry to justify the course contents and later two more faculty members joined in the Department.

Initially classes were conducted at Zoology Department, then in UGC Academic Staff College, and finally shifted at the First floor of Composite Building at Golapbag More which was inaugurated by Prof. Dilip Kr Basu, Vice-Chancellor of the University. Masters in Environmental Science course was approved in the Meeting of Faculty Council in Science on 19.04.2002 and started on 10th of December 2002, later this date was celebrated as 'Foundation Day' of Environmental Science till date. It was declared as Department on Nov. 2003. Academic potentiality of the individual faculty, presently 5 including one contractual, is glorified by possessing 35 projects amounting to Rs 2.85 crores sponsored by different national level agencies like, UGC, ICAR, MoEF, DST, ICSSR, SPCB, ISRO etc.

Since inception department is serving the core group of people, in particular, fish farmers, agricultural farmers, and general people through the expertise of the faculty members by analyzing the air, water, soil quality parameters. Department so far has produced 42 Ph.D. scholars, 54 M.Phil students, and 319 M.Sc. students till date. As revealed our students have occupied some prestigious positions in teaching, research and administrative services, some of them acted as Post-doctoral fellows in International Institutes. Large numbers of students are involved in teaching at the levels of university, college and school levels, research at internationally reputed institutes like IITs also and Public services at State level.

In course of time it has gained a momentum to establish itself as recognized Department in our Country after getting DST-FIST during the year 2015-'16 with a lumpsum of Rs 1.14 crores and BOOST (GoWB) of Rs 33.0 lakhs jointly with Biotechnology during 2014-'15.

RESEARCH AREAS

- A. ECOMONITORING
- B. HEAVY METAL AND PESTICIDAL TOXICITY
- C. ECOLOGICAL ASSESSMENT
- D. HYDROGEOCHEMISTRY
- E. DISASTER MANAGEMENT
- F. AIR POLLUTION AND METEOROLOGY
- G. REMOTE SENSING AND GIS
- H. WASTERWATER IRRIGATION AND WASTE WATER TREATMENT
- I. ABSORPTION CHEMISTRY
- J. INDOOR AIR POLLUTION AND HUMAN HEALTH
- K. NANO SCIENCE AND NANO PARTICLES
- L. ARSENIC AND FLUORIDE TOXICITY
- M. SOIL CHEMISTRY AND PLANT BIOCHEMISTRY
- N. CARBON SEQUESTRATION
- O. MODELLING ON BIOGEOCHEMICAL CYCLES
- P. ECOSYSTEM ANALYSIS
- Q. MICROBIAL TECHNOLOGY

STATISTICS OF PAPER/BOOK PUBLICATION (LAST 5 YEARS)

- BOOK PUBLICATION : 3
- INTERNATIONAL JOURNAL : 175
- NATIONAL JOURNAL : 54
- INTERNATIONAL CONFERENCE : 3 (USA, UK, CHINA)
- NATIONAL CONFERENCE : 3
- WHITE PAPER PUBLICATION :

RESEARCH FUNDED BY

- UGC
- ICAR
- UGC COSIST
- MoEF
- DST
- ICSSR
- SPCB
- ISRO

SOME OF OUR ALUMNI ARE ASSOCIATED WITH

COLLABORATION WITH OTHER INSTITUTIONS

- NATIONAL GEOPHYSICAL RESEARCH LABORATORY, TELENGANA, ANDHRA PRADESH
- NATIONAL INSTITUTE OF DISASTER MANAGEMENT, NEW DELHI
- IIT, KHARAGPUR, WEST BENGAL
- CSIR-CENTRAL MECHANICAL RESEARCH INSTITUTE, DURGAPUR, WEST BENGAL
- SIKKIM DISASTER MANAGEMENT AUTHORITY, SIKKIM

