



Dept. of Microbiology

YEAR OF ESTABLISHMENT

October, 2005

ADDRESS

THE UNIVERSITY OF BURDWAN
GOLAPBAG CAMPUS, BURDWAN,
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ABOUT OUR DEPARTMENT

THE DEPARTMENT WAS CREATED WITH THE AIM TO DEVELOP A CENTRE OF EDUCATION AND RESEARCH IN THE AREA OF MICROBIOLOGY AND TO PREPARE STUDENTS WHO CAN FACE SUCCESSFULLY BOTH THE ACADEMIC AS WELL AS CORPORATE CHALLENGES. ALL THE FACULTIES HAS THEIR INDIVIDUAL PROJECTS AND ARE ACTIVELY INVOLVED IN TRAINING STUDENTS FOR SEVERAL NATIONAL LEVEL COMPETITIVE EXAMINATIONS (SUCH AS NET, SLET, GATE, ETC.), APART FROM TEACHING AND TRAINING THE SKILLS OF MICROBIOLOGICAL TECHNIQUES AS PER SYLLABUS. ON AVERAGE EVERY YEAR ABOUT TWO TO THREE STUDENTS QUALIFY THESE TESTS. TILL DATE ABOUT 142 STUDENTS HAS GOT PG DEGREE FROM THIS DEPARTMENT. ONE STUDENT HAS BEEN AWARDED PH. D. ABOUT 14 STUDENTS HAVE QUALIFIED NET WHILE 25 HAVE QUALIFIED GATE. OUR STUDENTS ARE PERFORMING VERY WELL BOTH NATIONALLY AS WELL AS INTERNATIONALLY. ABOUT 8 STUDENTS ARE ENGAGED AS FACULTIES IN DIFFERENT INSTITUTES, UNIVERSITIES AND COLLEGES IN INDIA; 31 STUDENTS ARE ENGAGED IN RESEARCH, 6 HAVE ALREADY GOT DOCTORATE FROM PREMIER INSTITUTES IN INDIA & ABROAD. ABOUT 20 OF OUR STUDENTS ARE WORKING AS SCIENTISTS/MANAGER/ANALYSTS IN R&D SECTOR OF DIFFERENT BIOTECH COMPANIES/ORGANISATIONS IN INDIA, WHILE NEARLY 5 ARE ENGAGED AS PSU EMPLOYEES, FINALLY ABOUT 5 OF THE REMAINING ARE SERVING AS TEACHERS AT DIFFERENT SCHOOLS IN INIDA.

COURSES OFFERED

- M.SC. IN MICROBIOLOGY (2 YEARS)
- PH. D.

SPECIALIZATION

NIL

IN-TAKE CAPACITY

M. SC. MICROBIOLOGY – 18 SEATS

PH. D. – MAX. 14 SEATS

FACULTY

NO OF PROFESSORS : 0

NO OF ASSOCIATE PROFESSOR : 1

NO OF ASSISTANT PROFESSOR: 2 (+ 3, FACULTY CONTRACTUAL)

NON-TEACHING STAFF : 5

RESEARCH AREA

- BIOPROSPECTING OF EXTREMOPHILES
- DETECTION & QUANTIFICATION OF HEAVY METALS & BIOMOLECULES USING SPECIFIC FLUORESCENT SENSORS
- PLANT-MICROBE INTERACTION
- PROKARYOTIC DIVERSITY & TAXONOMY
- BIODEGRADATION OF BIOPOLYMER & XENOBIOTICS
- COMPARATIVE GENOMICS
- MOLECULAR & CELLULAR CHARACTERIZATION OF ENTAMOEBAS HISTOLYTICA
- ANTIBIOTIC RESISTANCE IN BACTERIA

STATISTICS OF PAPER/BOOK PUBLICATION

- INTERNATIONAL JOURNAL : MORE THAN 100
- NATIONAL JOURNAL : 5
- NATIONAL WORKSHOP : 2

RESEARCH FUNDED BY

- UGC
- WEST BENGAL STATE POLLUTION CONTROL BOARD
- DEPARTMENT OF SCIENCE & TECHNOLOGY, NEW DELHI, GOVT. OF INDIA
- SCIENCE & ENGINEERING RESEARCH COUNCIL, NEW DELHI, GOVT. OF INDIA
- BRNS, DEPARTMENT OF ATOMIC ENERGY, MUMBAI, GOVT. OF INDIA

COLLABORATION WITH OTHER INSTITUTIONS

- DEPT. OF BIOCHEMISTRY, Aberystwyth University, UK
- CHEMISTRY DEPT. OF CU, BU, BESU, VU; BOTANY DEPT. OF BU, VU
- IIT KHARAGPUR, IIT MANDI, IIT KANPUR, CMERI
- CRRI, Cuttack, Odisha; NIO Goa; R& D Danguajhar tea Garden, Goodricke Tea
- Bose Institute, Kolkata; IITRC, Lucknow

SOME OF OUR NOTABLE ALUMNI ARE:

- DR. DEVANITA GHOSH, INSPIRE FACULTY AT CENTER FOR EARTH SCIENCE, IISC, BANGALORE, INDIA
- DR. MASRUR ALAM, ASSISTANT PROFESSOR BIDHANNAGAR COLLEGE, KOLKATA, INDIA
- MR. AVISHEK BANIK, ASSISTANT PROFESSOR, RK UNIVERSITY, GUJARAT.
- DR. POOJA SINGH RECIPIENT OF FOUNDATION ARC POR LA RECHERCHE SUR LE CANCER post-doctoral fellowship & DOING Post doc at Curie Institute, FRANCE
- MRS. RAJRASHI KONAR, PH. D. RESEARCH SCHOLAR, TEL- AVIV UNIVERSITY, ISRAEL
- DR. SOURAV KANTI MUKHOPADHYAY, Research Associate at Aurobindo Pharma, Hyderabad, India.
- DR. ARINDAM SARKAR, Project Coordinator at CDC/NIMHANS/KSTM, Kolkata.
- MR. ANIRUDDHA MAJI, senior scientist, Edward Food Research and Analysis Centre Limited, Kolkata
- Mr. RANJAN ROY, head of microbiology quality control r & d, EMAMI, LTD., KOLKATA.
- MRS. MANJARI CHAKRABARTI, TEAM LEAD, SOS, QUINTILES, MUMBAI, INDIA.
- Mr. HOM CHORU MONDAL, BHAT BIOTECH (P) LTD. TEAM LEADER IN Protein Sc. /Bioche. dept.
- MR. DEBASHISH SANTIKARI, Project Manager- Positive Deviance Programme on WIFS, CINI, Kolkata
- MR. APURBA GHOSH, MICROBIOLOGIST, DIMOND BEVERAGES, COCA COLA INDIA, KOLKATA.
- MANY ALUMNI ARE CURRENTLY PURSUING RESEARCH AT FAMOUS INSTITUTES SUCH AS:

SINP, KOLKATA; IICB, KOLKATA; IISER, KOLKATA; WBSU, KOLKATA; Chittaranjan Cancer research Institute, Kolkata; IIT KHARAGPUR; ICGEB NEW DELHI; MKU, MADURAI; MICROBIOLOGY DEPT., PONDICHERRY UNIVERSITY