

**SEMINARS & TRAINING PROGRAMS ORGANIZED UNDER
THE DBT-BUILDER PROGRAM
2022-23**

DBT-BUILDER Sponsored Seminar

Topic: Palynology: Aspects and Prospects
Organizer: Department of Botany, Lady Brabourne College
Speaker: Dr. Sandip More, Assistant Professor, Department of Botany, Krishnanath College, West Bengal
Date: 26.04.2022
Participants: 14 PG Semester II Students

**LADY BRABOURNE COLLEGE
PG DEPARTMENT OF BOTANY
DBT SPONSORED ONE DAY WEBINAR**

TOPIC : PALYNOLOGY: ASPECTS AND PROSPECTS

SPEAKER :
Dr. SANDIP MORE
Assistant Professor
Department of Botany
Krishnanath College,
Murshidabad.

Time : 5 P.M

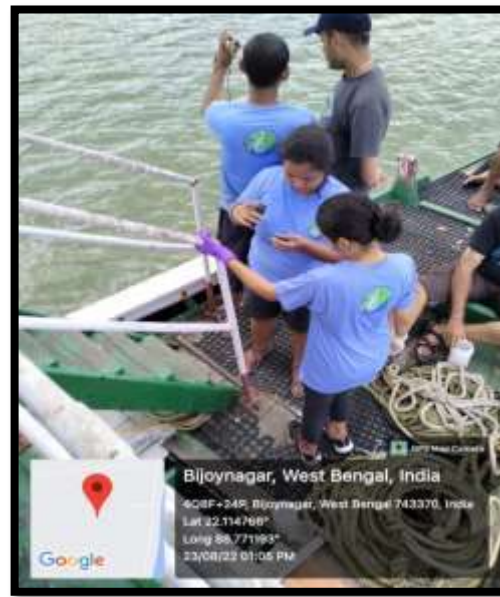
On Field Training Program for JRF at the Sunderbans (Durgaduari channel, Gomor river, Anpur, Sarakkhali, Sudanyokhali)

Date: 22.8.2022 to 23.8.2022

Organizer: Estuarine and Coastal Studies Foundation, Howrah

Resource Person: Dr. Bhaskar Deb Bhattacharya, Estuarine and Coastal Studies Foundation

Number of beneficiaries: 2 JRF



Glimpses of on field training on 22.8.22 & 23.8.22

DBT-BUILDER Sponsored One Day Seminar

Topic: “Real Time Monitoring of the Impact of Climate Change on the Mangrove Forest of Sundarban Tiger Reserve, West Bengal, India”
Organizer: Departments of Botany, Microbiology & Zoology, Lady Brabourne College
Date: 16.09.2022
Resource Person: Dr. Sourav Paul, Director, Estuarine and Coastal Studies Foundation, Howrah
Number of beneficiaries: 98 students, 3 JRF, 24 Faculty Members



Dr. Sourav Paul presenting



Students at the Seminar

DBT-BUILDER Sponsored One Day Seminar

- Topic:** “Real Time Monitoring of the Impact of Climate Change on the Mangrove Forest of Sundarban Tiger Reserve, West Bengal, India”
- Organizer:** Department of Microbiology, Lady Brabourne College
- Date:** 28.11.2022
- Resource Person:** Dr. Atanu Raha, IFS (Retd.), Member, West Bengal Ecotourism Advisory Board and Emeritus Professor, Department of Biotechnology, Techno India University, Kolkata
- Number of beneficiaries:** 88 students from PG Semesters I and III and PG Diploma FDS (Food and Drug Safety) Course & UG Semesters I, III and V of Department of Microbiology, 10 Faculty members & 1 JRF

Advanced Research Centre, Department of Microbiology, Lady Brabourne College
Presents
A ONE DAY SEMINAR
On
REAL TIME MONITORING OF THE IMPACT OF CLIMATE CHANGE ON THE MANGROVE FOREST OF SUNDARBAN TIGER RESERVE, WEST BENGAL, INDIA

DATE: 28.11.2022
TIME: 11AM
VENUE: MERGED SCHEME BUILDING HALL

CHIEF PATRON:
PROF. SIULI SARKAR,
PRINCIPAL

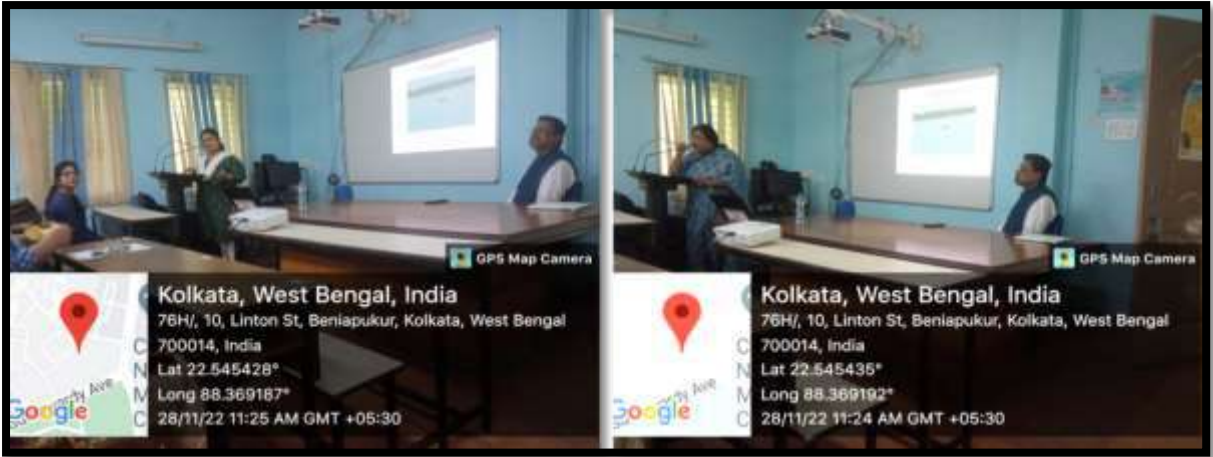
Speaker:
DR. ATANU KUMAR RAHA, IFS (RETD)
MEMBER, WEST BENGAL ECOTOURISM
ADVISORY BOARD
EMERITUS PROFESSOR, DEPARTMENT
OF BIOTECHNOLOGY,
TECHNO INDIA UNIVERSITY, KOLKATA

Organizing Committee:
Dr. Aparna Sen (Convenor)
Dr. Mahuya Mukhopadhyay
Dr. Soma Pal Saha
Dr. Soumi Guha Polley
Dr. Madhulika Gupta
Dr. Sudipta Paul Bhattacharya
Dr. Piya Ghosh
Dr. Somtirtha Kool Banerjee
Ms. Soumi Biswas
Ms. Ishani Chatterjee

ALL ARE CORDIALLY INVITED

Flyer-poster of the Seminar





Glimpses of Dr. Atanu Raha's Lecture



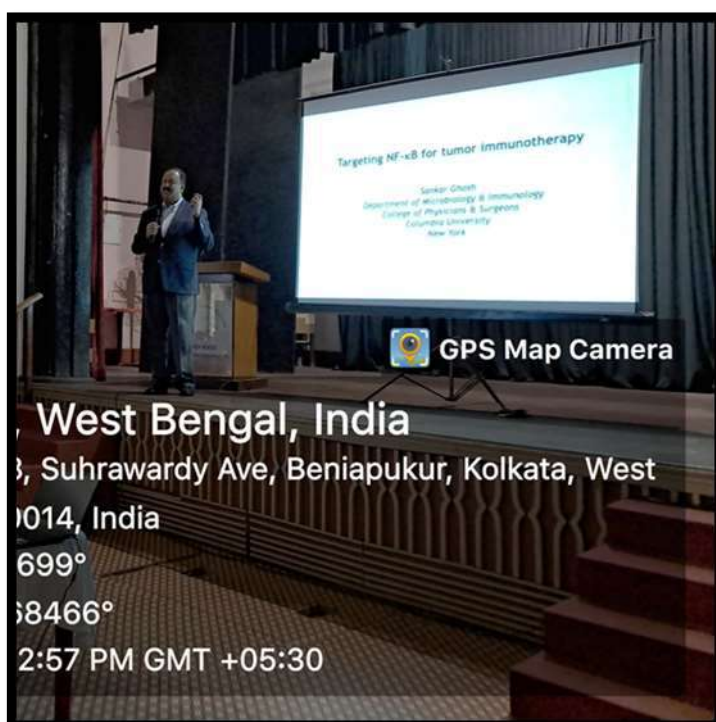
Dr. Atanu Raha with all the PG and UG Students, Research Scholars and Faculty members of Department of Microbiology

DBT-BUILDER Sponsored One Day International Seminar

Topic: “Targeting NF- κ B for cancer immunotherapy”
Organizer: Department of Microbiology, Lady Brabourne College
Date: 20.03.2023
Resource Person: Prof. Sankar Ghosh, Chairman and Silverstein & Hutt Family Professor, Department of Microbiology & Immunology, Columbia University, New York, USA
Keynote Address: Prof. Susanta Roychoudhury, ICMR Emeritus Scientist at CSIR- Indian Institute of Chemical Biology

Number of beneficiaries:

- 108 students of PG Semesters II and IV & UG Semesters II, IV and VI, Department of Microbiology, Lady Brabourne College
- 60 students of PG Semester II of Biotechnology and Microbiology Departments of Techno India University, Kolkata
- 11 students of PG Semester IV, Department of Microbiology, Swami Vivekananda University, Barrackpore
- 14 students of UG Semester VI, Department of Microbiology, Maulana Azad College, Kolkata
- 10 Faculty Members
- 1 JRF



Prof. Sankar Ghosh delivering his lecture

Audience at the International Seminar



20 Mar 2023 2:13:47 pm
Beniapukur Kolkata Presidency Division
West Bengal

The speaker Dr. Sankar Ghosh with the audience



The distinguished guests with our students of Department of Microbiology, Lady Brabourne College

Training program for Botany M.Sc. Semester 4 students

Topic: Gene Delivery Strategies in Plants by *Agrobacterium tumefaciens*
Organizer: Department of Botany, Lady Brabourne College
Resource person: Dr. Saswati Laha, Assistant Professor, Department of Botany, Bethune College, Kolkata
Date: 28.03.2023
Participants: 14 Students of M.Sc. Semester IV

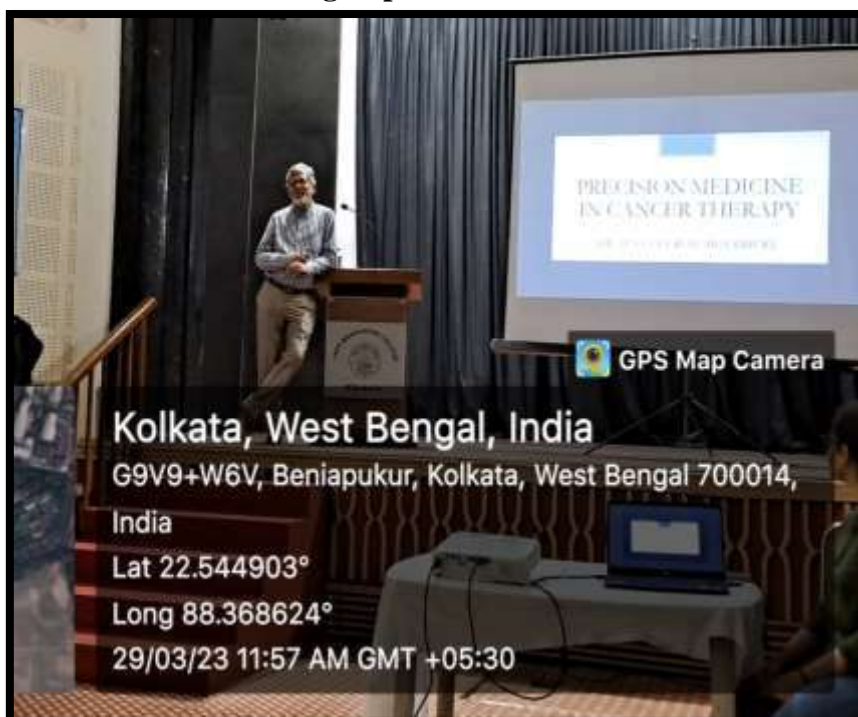


Glimpses from the training program

DBT-BUILDER Sponsored One Day Seminar

Topic: “Precision Medicine in Cancer Therapy”
Organizer: Department of Microbiology, Lady Brabourne College
Date: 29.03.2023
Resource Person: Dr. Susanta Roychoudhury, ICMR-Emeritus Scientist at CSIR-Indian Institute of Chemical Biology
Number of beneficiaries: 92 students of PG Semesters II and IV & UG Semesters II, IV and VI, 1 JRF & 10 Faculty Members

Some glimpses of the seminar



3 week training program for M.Sc. Zoology Semester 4 students

Date: 13.3.2023 to 31.3.2023
Organizer: Department of Zoology, Lady Brabourne College
Resource Persons: Dr. Sanjukta Mondal (Parui), Associate Professor, Dr. Antara Kar, Assistant Professor, Sujata Dhar Dutta, Assistant Professor, Department of Zoology, Lady Brabourne College
Number of Beneficiaries: 12 PG Students of Semester IV

Model: Tilapia fish

Topics:

1. Acute toxicity tests (heavy metal toxicity) to determine LC50
2. Paraffin Block preparation for histological sections, cutting tissue sections using microtome and staining.
3. Measurement of tissue sections using Stage and Ocular Micrometer and Planimeter.
4. Determination of total protein concentration by Bradford's method.
5. SDS-PAGE – to study the total protein profile.
6. Assay of enzymes [ALT (alanine transaminase) and AST (aspartate aminotransferase)].
7. Cortisol hormone assay using ELISA kit
8. Detection of heat shock protein using ELISA kit



Fish being treated and maintained in tanks



Daily treatment of fish with heavy metal and maintenance of fish by students



Treatment of tissue for paraffin block preparation prior to microtomical sections



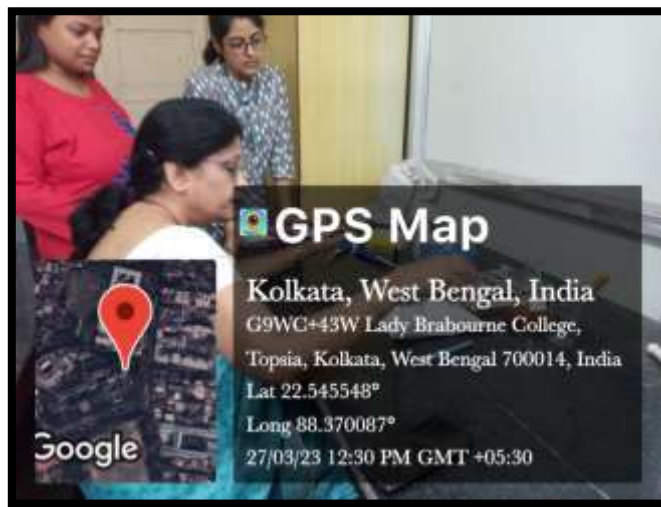
Dissected organs



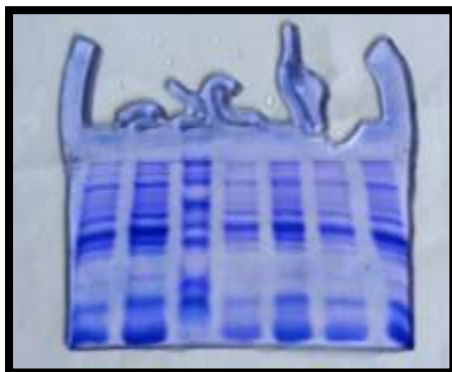
Tissue treatment for block preparation



Enzyme and protein assay using Spectrophotometer



Enzyme and protein assay



Demonstration of SDS-PAGE



Students performing SDS-PAGE & ELISA