

Academic Session 2021-22

International Biological Diversity Day was observed on 22.05.2022 through Field documentation at **outside of College Campus** during Excursion to **Darjeeling and adjoining area** (20.05.22 to 25 .05.22) and a poster Competition was held to generate awareness among the students about Biodiversity on 27.05.2022



A Brief Summary of Celebration of International Biological Diversity Day on 22.05.2022

UG 4th semester, batch comprising 22 students of Botany (Hons) visited Darjeeling, West Bengal along with Dr. Narayan Chandra Karmakar (HOD), Dr. Gargi Sengupta and Dr. Sonali Dey Sengupta.

Students visited Tiger Hill, Ghoom Monastery, Lloyd Botanical Garden and Batasia Loop for plant collection and taxonomical study. They collected and studied many wild species of plants.

Many important and endemic plant species were described and documented.

Some of collected plants (only few are listed below) are:-

1. *Fragaria vesca* (Rosaceae), Wild Strawberry
2. *Stellaria* sp. (Caryophyllaceae)
3. *Taraxacum platycarpum* (Asteraceae)
4. *Plantago major* (Plantaginaceae)
5. *Calceolaria mexicana* (Calceolariaceae)
6. *Rubus nepalensis* (Rosaceae); It is the endemic plant of Darjeeling, India and Nepal.

Reaching upon Tiger Hill, students celebrated the '**INTERNATIONAL DAY FOR BIOLOGICAL DIVERSITY**'. Students were explained about the importance of ecological balance of Mountain ecosystem and how various factors affect it. Various fungal and plant associations such as lichen and epiphytic orchid on trees were observed. Scientific study and documentation of Natural Plant Resources at the mountain area enriched the knowledge of the students and further grew interest among them.

The next visit was at Lloyd Botanical Garden on the same day and there several important plant species with epiphytic association were observed. For example, *Pinus roxburghii* and the oldest *Magnolia campbellii* (which has 16 epiphytic plant on it) at Darjeeling. Students also documented *Sedum morganianum* and *Wisteria sinensis* which are known for their exceptional inflorescence.

After returning from the Excursion students again celebrated the International Biological Diversity day through Poster Competition on 27.05.2022, 20 PG and UG students participated and presented hand drawn Posters. The following students secured positions as follows:

1st Position Rounak Haldar, UG Sem VI

2nd Position Soumita Chowdhury, PG Sem II

3rd Position Ankita Paul, UG Sem IV

The students became aware of importance of biodiversity and gained knowledge of Mountain ecosystem and Biodiversity. Also they were sensitized about the natural resources and conservation of the same.

Celebration of World Environment Day through seminar on 09.06.2022

Topic of lecture “Arsenic Contamination in the Environment: An approach to reduce arsenic level in rice grain” by **Dr. Debashish Chakraborty, Professor and Senior Scientist , AcSIR, NBRI Lucknow**. Students were made aware about arsenic contamination in staple food grain such as rice. He suggested biotechnological methods to reduce arsenic contamination from rice and the interactive session was highly engaging with interesting questionnaire from students.

44 PG and UG students and teachers participated in the programme

The poster is titled "CELEBRATION OF WORLD ENVIRONMENT DAY". It features a central graphic of a rice stalk. The text is organized into several colored boxes:

- INVITED LECTURE on "Arsenic Contamination in Environment: Approaches to Reduce the Arsenic Level in Rice Grains" BY Dr. Debasis Chakraborty** (black box)
- ORGANISED BY POST GRADUATE DEPARTMENT OF BOTANY BARASAT GOVERNMENT COLLEGE IN COLLABORATION WITH IQAC, BARASAT GOVERNMENT COLLEGE** (purple box)
- 9TH JUNE 2022, THURSDAY, 2:30PM; VENUE: BOTANY LECTURE HALL** (red box)
- CHIEF PATRON DR. SAMAR CHATTOPADHYAY PRINCIPAL, BGC** (green box)
- JOINT CONVENORS DR. NARAYAN CHANDRA KARMAKAR (HOD, BOTANY) DR. ABHJIT DE, (COORDINATOR, IQAC)** (blue box)

A portrait of Dr. Debasis Chakraborty is shown in the bottom left, with his title: **Senior Principal Scientist, and Professor, AcSIR, NBRI, Lucknow**.

Register Here: <https://forms.gle/QgYkEpfmSwKS2ofw5>

Lecture on Conservation of Biodiversity by Dr. Mihir Halder on 02.06.2022

Dr. Mihir Halder, Assistant Professor of Botany, Barasat Government College acted as a Resource Person in the awareness programme on '*Conservation of Biodiversity*', arranged as a part of NSS Programme.

40 number of students and teachers were Participants



Academic Session 2022-23

A Brief summary of International Biological Diversity Day Celebration on 22.05.2023 through Seminar and Inauguration of Wall Magazine

International Biological Diversity Day was celebrated by the Department of Botany on 22.05.2023. On this Occasion Prof. Pratip Palit, Retd. Senior Scientist, CRIJAF delivered a lecture on Mangrove Conservation. Students and staffs were enlightened about the mangrove diversity at Sunderban, the people and their livelihood. He discussed and raised alarm **about the depleting population of Mangrove plants from Sunderban Delta region due to several anthropogenic activities and global warming. He also proposed a few suggestions how to conserve this rich diverse flora along with Mangrove Ecosystem.**

The Lecture Programme was followed by inauguration of Wall Magazine “**Blooming Buds**” that is specifically dedicated to Conservation of Nature and Natural Resources and Biodiversity related topics.

Number of Participants: 48 UG and PG students and teachers.

