

## ANNUAL REPORT: 2022-2023

### Dept. of Zoology: St Joseph's College

The Department witnessed the change of headship in the start of the session. Ms Albina Subba took over as the new head after Barkha Rai.

The Induction Programme for 1<sup>st</sup> Semester 2022 began on 6<sup>th</sup> September 2022. All the teaching members actively took part in delivering the vision & Mission of the college as well familiarising with the rules regulations and expectations from the students. The Department welcomed 40 new students in the 1<sup>st</sup> Semester.

The number of students admitted to the department was 39 and 34 students passed out from the department.

### FACULTY ACTIVITIES:

#### Dr. Bireswar Bera:

##### Research Publications:

Investigating the Effects of Climate Change on Biodiversity. *Journal of Survey in Fisheries Sciences*. ISSN:2368-7487 2023,10(1S), 5924-5939 Scopus

Urbanization and Its Impact on Environmental Sustainability: A Comprehensive Review. *Journal of Harbin Engineering University*. ISSN: 1006-7043 2023, 44(8), 1310-1318 Scopus

##### Paper presentation:

Presented a paper entitled "Carbohydrate Metabolism of Trematodes with special reference to Adult *Isoparorchis hypselobagri* (Billet 1898)" in National Conference on Innovative Trends in Biological Research organized by Department of Zoology and Microbiology, D. P. Bhosale College Koregaon, District- Satara (M.S.) on 9th November 2022.

##### Published in edited book:

1. Published Book chapter entitled "NATIONAL BIODIVERSITY AUTHORITY: GUIDANCE AND UNDERSTANDING". In the book: Biodiversity and Sustainable Resource Management (Basic to Research and Applied), Bharti Publications (ISBN:978-93-91681-28-9), New Delhi-110002, India. Pp: 284-308.
2. Published Book chapter entitled "RAMSAR WETLANDS IN INDIA: ITS TYPE AND IMPORTANCE". In the book: Environment and Sustainable Development: Problems, Prospects and Mitigation (ESDPPM) Bharti Publications (ISBN: 978-93-94779-52-5), New Delhi-110002, India. Pp: 163-203.
3. Published Book Chapter (2022), entitled: "SPECIES DIVERSITY : COMPONENTS, IMPORTANCE, THREATS AND CONSERVATION". In the Book: Biodiversity of our Mother Earth, Bharti Publications (ISBN: 978-93-94779-42-6), New Delhi-110002, India. Pp: 102-125.
4. Book Chapter (2022), entitled: "ETHNOMEDICINAL PLANTS: USED AS TRADITIONAL MEDICINE BY INDIGENOUS PEOPLES IN DARJEELING". In the book: "Medicinal Plants and Traditional Knowledge in the Indian Subcontinent (Theory to Applications).

Shashwat Publications (ISBN: 978-93-95362-22-1), Ram das Nagar, Bilaspur, Chhattisgarh-495001 India. Pp: 149-181.

5. Published Book Chapter (2022), entitled: “SOIL MICROORGANISMS WITH EFFECTS”. In the Book: Plant and Soil Microbial Interactions: Theory to Applications, Bharti Publications (ISBN: 978-93-94779-52-5), New Delhi- 110002, India.
6. Published Book Chapter (2022), entitled: “LOCAL ORNITHOFAUNAL DIVERSITY OF DARJEELING HILL AREA”. In the book: Birds Around Us: Science and Emotion, Bharti Publications (ISBN: 978-93-94779-62-4), New Delhi-110002, India.
7. Published Book Chapter (2022), entitled: “ETHNOZOOLOGY: USES OF ANIMALS FOR HUMAN WELL-BEING”. In the book: Ethnobotany and Ethnzoology, Bharti Publications (ISBN: 978-93-94779-61-7), New Delhi-110002, India.
8. Published book chapter (2022), entitled SOIL MICROORGANISMS WITH EFFECTS in the book: Plant Soil Microbial Interactions (Theory to Applications), Bharti Publications (ISBN: 978-93-94779-52-5) New Delhi, India.
9. Published book chapter (2022), entitled SOME MAJOR TEA AGRICULTURAL PEST OF DARJEELING: BIONOMICS AND NATURE OF DAMAGE in the book; Fundamentals of Agriculture and Crop Production (Research and Applied), Bharti Publications (ISBN: 978-93-94779-73-0) New Delhi, India.

### **STUDENT ACTIVITIES:**

Purna Pradhan from 5<sup>th</sup> Semester participated in Ubuntu Open Art Competition organised by Chimeki and secured 2<sup>nd</sup> position. She secured 1<sup>st</sup> position in Yuva Utsav Art Competition organised by Nehru Yuva Kendra on 19<sup>th</sup> October 2022. She also participated in Salesian Innovision Rangoli Competition organised by Salesian College, Siliguri On 21<sup>st</sup> October and secured 1<sup>st</sup> position.

Semanti Paul from 5<sup>th</sup> Semester participated in Salesian Fest and secured 3<sup>rd</sup> position in doodling competition. She secured 1<sup>st</sup> position in Inter Team Debate Competition SRC and Inter Team Photography Contest, SRC. She also participated in Debate session organised by Accord. She secured 1<sup>st</sup> position in Rangoli making competition and 1<sup>st</sup> position in What's my World held in Inspiria Knowledge Campus on 6<sup>th</sup> April, 2023.

Rashika Gazmer from 3<sup>rd</sup> Semester won the Kalimpong Table Tennis Championship organised by Kalimpong College on 28<sup>th</sup> September. She also participated in NBU Table Tennis Championship 2022 on 10<sup>th</sup> November 2022 and reached the quarter final. She became the runner's up in Tug of War held in Inspiria Knowledge Campus on 6<sup>th</sup> April, 2023.

Grishma Rawat became the runner's up in Tug of War held in Inspiria Knowledge Campus on 6<sup>th</sup> April, 2023.

Akansha Pradhan from 3<sup>rd</sup> Semester participated in Inter College Badminton Tournament in NBU and also got selected for East Zone Inter University Badminton Tournament. Akansha Pradhan was awarded 4<sup>th</sup> rank in State Level Badminton organized by West Bengal Badminton Association held from 20<sup>th</sup>-23<sup>rd</sup> May 2023.

Samiran Rai and Anshu Chhetri from 1<sup>st</sup> semester participated in Student Exchange Quiz Competition on 18<sup>th</sup> November 2022. Samiran Rai and Gragory Rai participated in 10 km Marathon on 19<sup>th</sup> November 2022.

### **CONDOLENCE MEET:**

The Department went through a great loss this year with the untimely demise of one of the senior faculty members Dr. Diwakar Thapa on 26<sup>th</sup> July 2022. A Condolence Meeting to offer prayer for the eternal peace of the departed soul of Dr. Diwakar Thapa was held at Campion Hall on 29<sup>th</sup> August, 2022.



**Celebrating the life of Late Dr. Diwakar Thapa.**

### **FAREWELL:**

This year one of the faculty members of the Department, Mr. Sonam Lama retired from his active service on 31<sup>st</sup> August, 2022. The students and staff of the Department of Zoology organized a Farewell Programme on 31<sup>st</sup> August 2022 in the Department.



**Bidding adieu to dear Sonam Lama Sir**

## FIELD TRIP:

The Department of Zoology organized a field trip for 5<sup>th</sup> Semester students from 4<sup>th</sup> November, 2022 to 6<sup>th</sup> November 2022 to Jaldapara Wildlife Sanctuary. Thirty three students under the guidance of Ms Albina Subba, Mr Shuvam Sharma ,Mr. Simon Gomes and Mr. Sunil Sinha participated in the study tour.



5<sup>th</sup> semester students and staff at Jaldapara National Park]

## STUDENT EXCHANGE PROGRAMME:

3 days Student Exchange Programme was organized by St. Joseph's College in collaboration with Barrackpore Rashtraguru Surendranath College from 17<sup>th</sup> to 20<sup>th</sup> November 2022. The department of Zoology organized a **Workshop on Hematology** for Zoology students of Barrackpore Rashtraguru Surendranath College.



## Students and staff from both colleges

### BIRD WATCHING ACTIVITY ON THE OCCASION OF “WORLD WILDLIFE DAY”

Ten students from the department participated in the Bird watching Activity organised in Padmaja Naidu Zoological Park. They were accompanied by their teacher, Mr. Shuvam Sharma. The student participants and other volunteers were taken along the nature walks with Bird guides. This was followed by another interactive session with Mr. Deependra Sunar from the WWF, Darjeeling office.



Participants with bird guides

### EDUCATIONAL VISIT TO CIFRI, BARRACKPORE

The Department of Zoology organized an Educational visit for 6<sup>th</sup> Semester students from 27<sup>th</sup> April 2023 to 29<sup>th</sup> April 2023 to CIFRI, Barrackpore. Thirty three students under the guidance of Dr. Bireshwar Bera, Mr Shuvam Sharma and Mr. Simon Gomes participated in the study tour. This program helped the students to gain many ideas and learning experience in the field of fish and fisheries.



6<sup>th</sup> semester students with the teachers at CIFRI, Barrackpore

