

# International Symposium on “Our Planet, Our Ecosystem, our Health”



**Date: 17th May 2022, Venue: CLRCAuditorium, Serampore College**

*Organized by*  
**Department of Zoology for UG and PG Studies, Serampore  
College**



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## **Background of the symposium**

The increasing interaction between humans and their environment has influenced the quality of ecosystems and also our quality of life, healthy lifespan and health inequalities. In 2016 WHO reported that globally some 12.6 million deaths occur each year due to unhealthy environments. Human epidemiological studies & experiments in laboratory animals proved that exposure to some pollutants can increase susceptibility to diseases such as diabetes, heart disease and reproductive cancers. Exposures to toxic agents can also cause immunosuppression, which increase vulnerability to infections such as Covid-19. Environmental factors which represent specific threats for humans and ecosystems are directly associated to exposure to hazardous substances in air, water, soils and food. Thus to protect the planet and building economic growth requires addressing a range of social needs including education, social protection and job opportunities, while tackling climate change and environmental defence.

The highly integrated sustainable development goals represent a solid framework that ensure healthy lives promoting well-being at all ages is essential to sustainable development.

At the same time, worldwide consumption and production depend on the use of the natural environment and resources in a way that continues to have destructive impacts on the planet. Economic and social progress over the last century has been accompanied by environmental degradation that is endangering the ecological systems on which the human future depends. Thus the development of multidisciplinary approaches for understanding mechanisms and dynamics of interference between environment and health is a crucial commitment. The holistic "One Health" approaches towards the human-animal-ecosystem-human-interfaces which represent primary fields of investigation for valuable improvements of the well-being of human population, ecosystem and environment.

**Sub-Themes of the Seminar:**  
**Vector borne disease**  
**Host parasite interactions**  
**Conservation of natural Heritage**  
**Man-animal Conflict**  
**Impact of Global warming on Man and animal**

## **About the College**

Serampore with its rich cultural heritage and unique geographical position came to be the seat of Bengal Renaissance in the early 19th Century. The efforts of Carey, Marshman and Ward to impart education to local people, finally culminated into the foundation of Serampore College in 1818. Consequently, the College has gained worldwide reputation as a unique institution proffering quality education in Christian Theology and liberal Arts, Science and Commerce. The College is affiliated to the University of Calcutta for Arts Science Commerce Departments to run diversified post graduate, under graduate, diploma and certificate courses. The college being the first missionary college in India, has always been the core attraction to the meritorious students.

## **About the Department**

The year 2009 became another glorious year in the annals of Serampore College when the Department of Zoology opened the first Post-Graduate Course in this age-old institution. The course is run in Semester System under the University of Calcutta. At present following four elective papers are running namely Applied Immunology, Applied Entomology, Molecular Cell Biology and Wildlife & Conservation Biology. With the passionate involvement of the staffs and students alike, the department is marching steadily towards academic excellence with all vigour and colour. The teachers are actively engaged in scientific research which is evident from the four UGC Minor and one Major Research projects already completed in the department and three WBZA funded projects currently undertaken. Students, apart from their regular classroom studies, are constantly encouraged and oriented towards planning their future career with programmes like outside laboratory visits, field training and workshops, participation in seminars and conferences etc.

## **About the city**

Situated at the banks of the river Hooghly, Serampore is a city of Hooghly district in the state of West Bengal. It was part of Danish India under the name Frederiknagore from 1755 to 1845. Presently it is a part of the area covered by KMDA. This city has an area of about 11.6 sq.km with a population of 181,842.

## **Speaker List**

**Prof. Dr. Hamida Khanum**  
**Professor and President,**  
**Zoological Society of Bangladesh, Department of Zoology, University of Dhaka, Bangladesh**

**Dr. D. P. Duari**  
**Director, Research and Academics,**  
**M.P. Birla Planetarium, Kolkata**

**Dr. Purnarbasu Chaudhuri**  
**Assistant Professor & Former Head, Department of Environment Science, University of Calcutta**

**Dr. Jyotirmoy Deb**  
**Faculty of Film Making (Department of BFA-DFM),**  
**Techno India University**



## Abstract Submission and Poster Presentation

Abstract should be limited to 200 words (excluding title of the paper, name of authors and affiliations).

Text should be in Times New Roman, font size 12 with 1.5 spacing, justified, A4 paper size.

The presenting author name should be made bold and underlined.

Selected papers will be called for poster presentation.

Poster details shall be informed to the respective authors upon acceptance.

Abstracts should be sent to [sercolzool.intsym2022@gmail.com](mailto:sercolzool.intsym2022@gmail.com)

**Last Date of Abstract submission: 10th May, 2022**

## Registration

Forms with registration fees may be send to Dr. Sanjay Sarkar (9836689926) or Dr. Soumyajit Banerjee (9830696521) or may be transferred to Account with the following details:

Name: Ruma Chakrabarti (Canara Bank)

Account no: 2690101006907, IFSC– CNRB000269

**Last Date of Registration and payment: 10th May, 2022**

Registration fees:

College Students & Research Scholars– Rs. 200/-

Teacher/ Faculty— Rs. 300/-

**No Spot Registration available**

## Registration form :

Name (In Block Letters): \_\_\_\_\_

Date of Birth: \_\_\_\_\_

Gender: \_\_\_\_\_

Contact Details: \_\_\_\_\_

Mobile No: \_\_\_\_\_

Email ID: \_\_\_\_\_

Present Designation: Student/ UG Student/PG Student/ Research Scholar/Faculty

Educational Qualification : \_\_\_\_\_

Food : (Veg/Non Veg)

Participation type: PARTICIPANT/PRESENTOR

Whether Abstract Submitted for Poster: YES/NO

If YES, Title of the Abstract:

\_\_\_\_\_  
\_\_\_\_\_

Endorsement from the Principal (College)

Signature of the Candidate