POST GRADUATE DEPARTMENT OF
ZOOLOGY
BARASAT GOVERNMENT COLLEGE

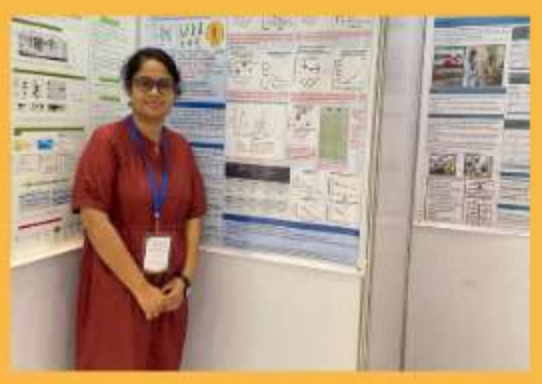
SUPPORTED BY
IQAC, BGC

ALUMNI SEMINAR SERIES

COLLEGE FOUNDATION DAY CELEBRATION

OUR SPEAKERS

ANIRBAN CHAKRABORTY
SRF, ECOLOGY UNIT.
DEPT OF ZOOLOGY,
CALCUTTA UNIVERSITY



SUSRABA CHATTERJEE
UGC-SRF
CALCUTTA SCHOOL OF
TROPICAL MEDICINE

SEMINAR HIGHLIGHTS

- Recent trends in Life Sciences
- Career Opportunities in higher educations

CHIEF PATRON

Dr. Samar Chattopadhyay
WBSES, Principal,
Barasat Government College

CONVENOR

Dr. Sumana Saha
Head of the Department
&
Associate Professor,
Dept. of Zoology, BGC

JT. ORGANIZING SECRETARY

Dr. Somaditya Dey
&
Dr. Srikanta Guria
Assistant Professor,
Dept. of Zoology, BGC

MEMBERS

Dr. Jayati Ghosh, Dr. Ivy Kundu
Associate Professor, Dept. of Zoology, BGC
Dr. Enamul Haque
Assistant Professor, Dept. of Zoology, BGC
Smt. Indrani Banerjee
SACT II, Dept. of Zoology, BGC

23 NOVEMBER 2024

SEMINAR ROOM, ZOOLOGY | FROM 12.00 PM - 02.00 PM

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ALUMNI SEMINAR SERIES

PG Dept. Of Zoology has arranged ALUMNI SEMINAR SERIES INITIATIVE.

The event has been scheduled for November 23, 2024.

Name of speakers

Anirban Chakraborty

SRF, Ecology Unit, Dept. Of Zoology, University of Calcutta

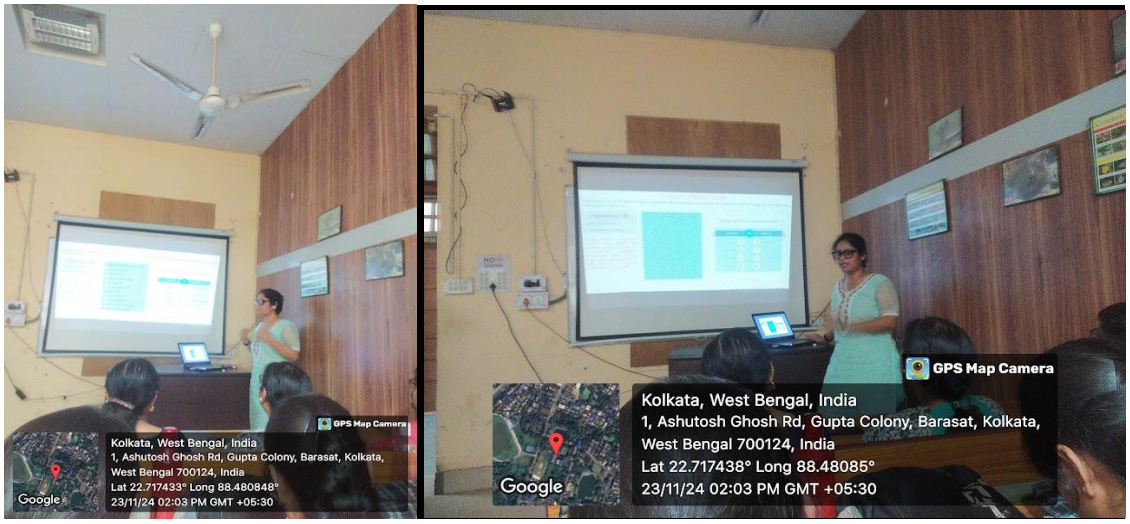
REPORT: Anirban highlighted career opportunities and recent advancements in life sciences. Post-PhD paths include research roles (postdoctoral fellow, scientist), teaching positions (professor levels), and industry jobs in R&D. Key trends in life sciences involve genomics (gene-based therapies), synthetic biology (biofuels, bioplastics), AI applications, and microbiome research. Ecological research focuses on climate change impacts, biodiversity conservation (hotspots, conservation genomics), urban ecology, and ecosystem services valuation. Emerging technologies like drones, eDNA, and AI are pivotal for monitoring and sustainability. Challenges include habitat destruction, pollution, and invasive species, with future directions in restoration ecology and community-led conservation. This multidisciplinary field emphasizes innovation and sustainability to address global environmental and health challenges.

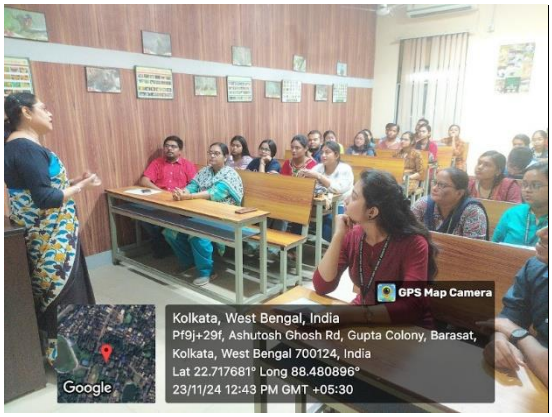
Susraba Chatterjee

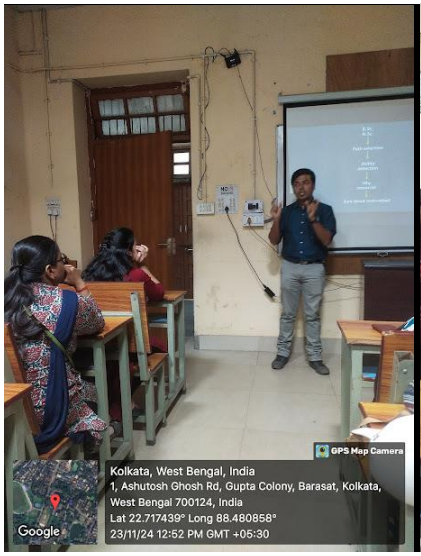
UGC SRF, Calcutta School Of Tropical Medicine

REPORT: According to WHO, Tuberculosis is the second leading cause of death after Covid-19. Tuberculosis alone can cause 1.5 million death every year world-wide. It is estimated that one third of the world total population is being infected by TB bacilli. The only licensed vaccine against TB,

Bacillle Calmette-Guerin (BCG), is effective at preventing disseminated disease in infants but confers highly variable efficacy against pulmonary TB in adults, particularly in the developing world. However, the most difficult obstacle is early and species-specific diagnosis of tuberculosis, discovery of its drug resistance pattern, and availability of highly efficacious medication treatment within a short period of time, preferably a few weeks. It would also be extremely important to have biomarkers for treatment compliance/noncompliance and explanations for multi-drug resistance and proper diagnosis. Omics based technology could be provide us comprehensive picture of better understanding of the disease.



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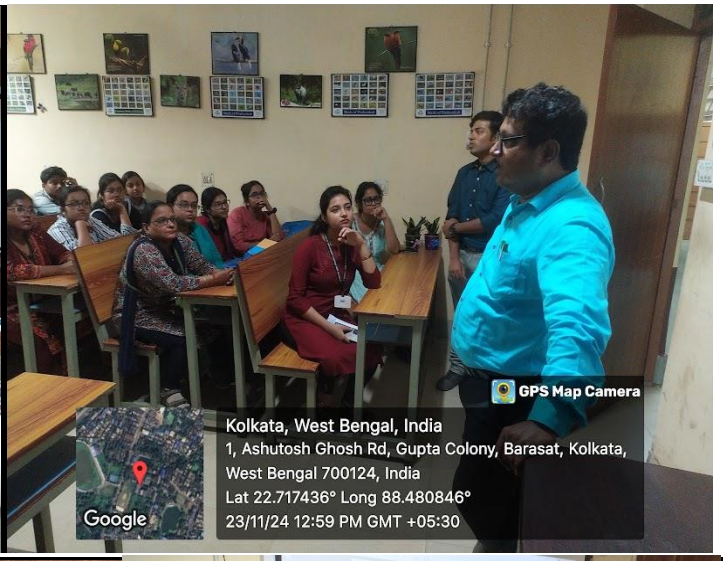
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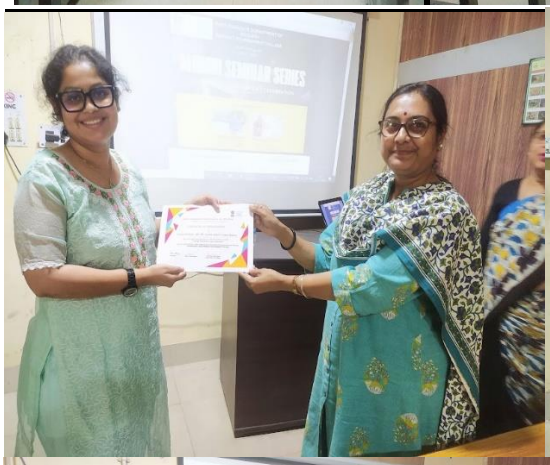

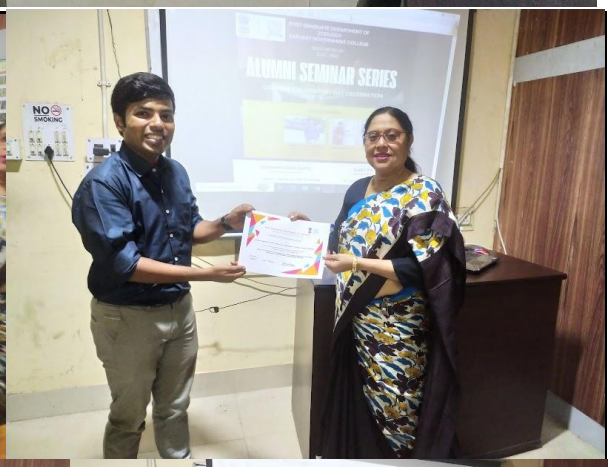
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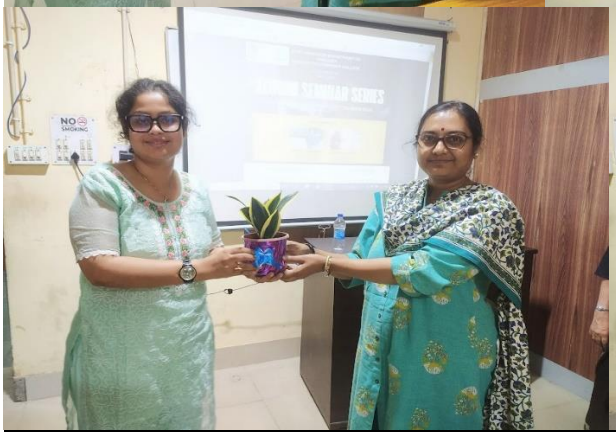
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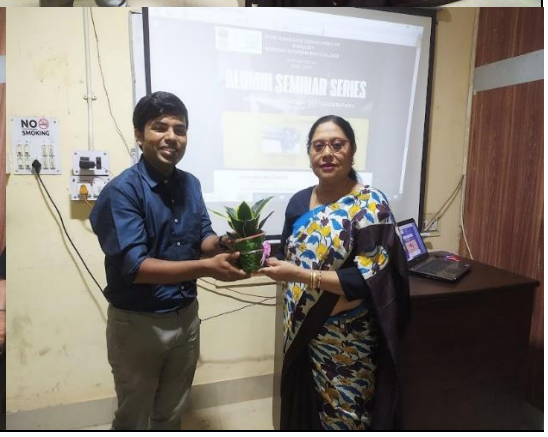
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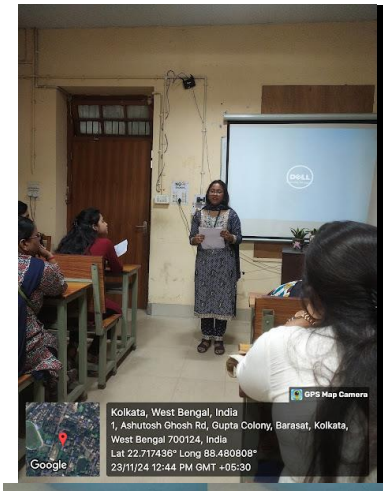
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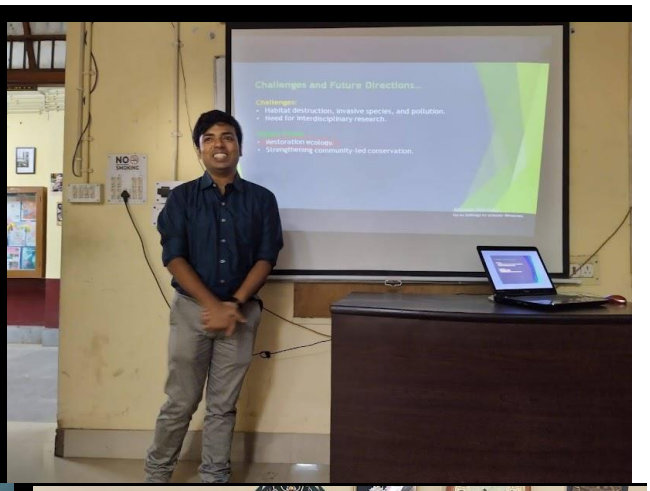
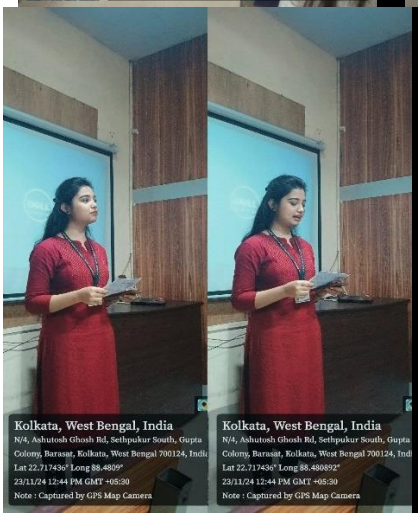

Challenges and Future Directions...
Challenges:
Habitat destruction, invasive species, and pollution.
Need for interdisciplinary research.
Restoration ecology.
Strengthening community-led conservation.
NO SMOKING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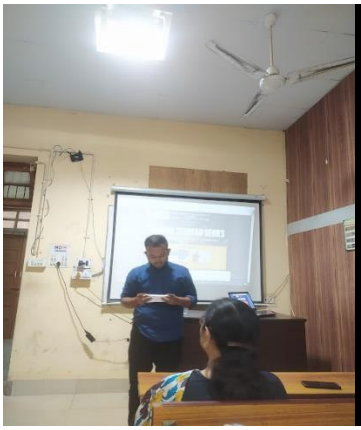

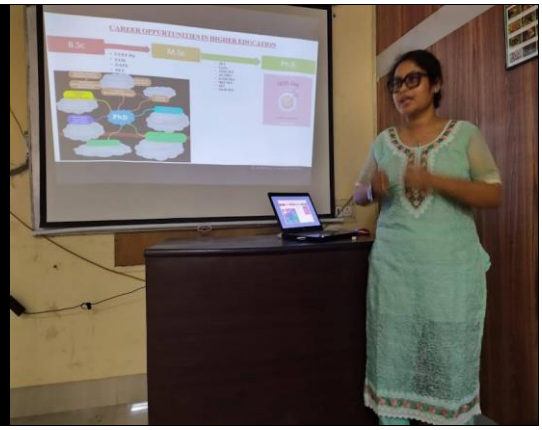
CAREER OPPORTUNITIES IN HIGHER EDUCATION
B.Sc
M.Sc
Ph.D

सत्यमेव जयते

POST GRADUATE DEPARTMENT OF ZOOLOGY

BARASAT GOVERNMENT COLLEGE

CERTIFICATE OF APPRECIATION

To

Susraba Chatterjee, UGC-SRF, Calcutta School of Tropical Medicine

As a Distinguished Speaker in Alumni Seminar Series
College Foundation Day Celebration

held on 23 November 2024 organized by Post Graduate Department of Zoology supported by IQAC BARASAT GOVERNMENT COLLEGE

Principal

IQAC Coordinator

Sumana Saha
Convenor and Head,
Department of Zoology

सत्यमेव जयते

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To

Anirban Chakraborty, SRF, Ecology Unit, Department of Zoology, Calcutta University

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IQAC Coordinator

Convenor and Head,
Department of Zoology

Alumni Seminar Series Date - 23/11/24

Student Attendance

i) Anushka Ghosh (PG Sem 3)
ii) Gouri Chowdhury (PG Sem 1)
iii) Srija Roy (PG sem 1)
iv) Sathi Ghosh (PG - sem 3)
v) Nandana Sen (PG - Sem 3)
vi) Tista Das (PG - sem 3)
vii) Bhaswati Sarkar (PG - Sem 3)
viii) Monoj Dey (PG - sem 3)
viii) Deep karmakar (PG - Sem 3)
ix) Debabrata Das (PG - Sem 3)
x) Amit Bera (PG - SEM - III)
xi) Trishnika Chakraborty (PG - Sem 1)
xii) Barsha Ghosh (PG - Sem - I)
xiii) Ruparjana Dey (PG - sem I)
xiv) Zinia paul (PG - Sem I)
xv) Mahua Keshari (PG - Sem I)
xvi) Rinita Roy (PG - Sem I)
xvii) Pallab kamely (PG - Sem I)
xviii) Soumik Ghosh (PG - Sem I)
xix) Mayurima Ghosh (PG - Sem - III)
(xx) ~~Anish Mondal~~ (PG - sem III)
xxi) Arjun Sarkar (PG - Sem III)
xxii) Souvik Samanta (PG - Sem - III)
xxiii) Debjani Das (PG - Sem - I)
xxiv) Binita Das (PG - Sem - I)
xxv) Saba Sudders Ansari (PG - sem - I)
xxvi) Anwesha Mondal (PG - sem - 3)
xxvii) Tithi Dutta (PG - sem - 3)
xxviii) Rajat Paul (PG - sem - 3)

xxix) Ahmindita Chakraborty (PG Sem-3)

xxx) Farjana Tabassum (PG - Sem-3)

31) Enamul Haque (Faculty)

32) Srikanti Lyrics 23/11/24 (Faculty)

33) Shrestha Neogi 23/11/24 (PG-Sem-I)

34) Ankita Kundu. 23/11/24 (PG — sem-1)

35) Sohana Khatun 23/11/24 (PG - Sem 1)

36) Suchana Parvin 23/11/24 (PG - Sem 1)

37) Juwel Rana Masud 23/11/24 (PG - Sem IV)

Faculty

37. Sumana Sahi 23/11/2024

38. Jayati Ghosh 23/11/24

39. Somaditya Dey 23/11/24.

40. Ivy Kundu 23/11/24

41. Anirban Chakraborty 23.11.24

42. Sarrasa Chatterjee 23.11.24.

43. Samar Chattopadhyay 23.11.2024