DEBKUMAR SAHOO



Email:
sahoo.debkumar1997@gmail.com

Personal Details

Father's name: Mr. Kalipada Sahoo

Date of Birth : 13.02.1997

Sex : Male

Nationality : Indian

Marital Status : Married

Language Known: English,
Hindi,
Bengali

Hobbies/Interests: Butterflying,
Photography
Anime
Movie
Travelling
Reading

Contact Number
Mobile No: 8016669793

Permanent Address
S/O – Kalipada Sahoo,
Vill. - Chhatri,
P.O. – Chhatri,
Dist. – Purba Medinipur, West Bengal, Pin-721429

Carrier objective

Seeking a competitive and wholesome environment to hone my innate skills and sustain my zealot enthusiasm for good work. I would also like to develop the qualities which will give me better insight about my work and will help me to share and reciprocate my knowledge efficiently with other people.

Academic Profile

Year	Degree	Institution/ University	Major Field	Percentage
2023 (Ongoing)	PhD	Coastal Environmental Research Centre (Vidysagar Univrtsity)	Microbial Ecology	-
2019	M.Sc. (Zoology)	Egra Sarada Shashi Bhusan College (Vidyasagar University)	Ecology	**73.83**
2017	B.Sc. (Hons) (Zoology)	Egra Sarada Shashi Bhusan College (Vidyasagar University)	Zoology (Hons) Botany, Chemistry	**58.37**
2014	West Bengal Board of Higher Secondary Education (W.B.C.H.S.E)	Chhatri Vivekananda Vidya Bhawan, West Bengal	Physics, Chemistry, Biology	**66.4**
2012	West Bengal Board of Secondary Education (W.B.B.S.E)	Chhatri Vivekananda Vidya Bhawan, West Bengal	Science + Mathematics	**75.71**

Computer Literacy

- Proficient with Windows (all versions),
- Microsoft word, Excel, Power Point.
- Statistical Software

Participation of Project

M.Sc. Project:

- **Title**: Effects of tropical deforestation on climate and agriculture.
- **Objective**: We know that the forest act as a Carbon sink. Man's greed attacks nature environment and backlashes on the human future. Forests move more water than any other ecosystem on land, turning soil water into moisture in the air, cooling the atmosphere above them. Tropical deforestation causes increase in temperature and distribution of rainfall-generally creating drier climate. It creates risk to agriculture. In recent years, the level of agricultural productivity continues to decline drastically as well as climate change. The objective of the study was to bring together information from different aspects and research workers on how deforestation effects on climate and agriculture and to promote awareness of the vital effect of deforestation to climate change.
- **GUIDE** -Dr. Debajyoti Pradhan (Head of the Zoology Department, Egra SSB College)

Working Experience

- **Teaching Experience as guest teacher in Egra SSB College from 2021-till now in zoology stream.**
- **Project Assistant in Integrative Taxonomy and Microbial Ecology Research Group in IISER-K.**

  Project- Monitoring tiger habitat productivity in Sundarbans Biosphere Reserve (SBR) using biological indicators for decision making by the protected area managers (WWF-India)

  GUIDE- Dr. Punyasloke Bhadury (Professor, IISER-K)

  Duration- One year

Achievements

- Taxonomically Identify to all micro-organism like meiofauna and plankton from coastal water.
- Measurements of different physiochemical parameters of soil and water
- Handling of any Microscope, Spectrophotometer and pipette etc.
- Know how to run some statistic software like R and R-Studio.
- Figure out some statistic data like ANOVA, SIMPER, HEAT MAP etc.

Research Interest

- Heavy metals in sea water and fish tissue.
- Current status of sea water quality in coastal region
- Plankton community in coastal ecosystem.
- Meiofauna study from marine ecosystem.

Research Publication

- Effects of Tobacco smoking on immune response: A Review
- Aphid seasonality and host plant relationship: A Review
- Plankton act as a key indicator of the health and stability of aquatic ecosystems: A review
- Phycotoxins produced by Harmful Algal Blooms (HABs) and their role in human poisoning: A review
- A Multi-Technique Investigation to Explore the Structural Integrity and Chemical Complexity of the Brachiopod Lingula anatina (Lamarck, 1801) Shells

NATIONAL/INTERNATIONAL LEVEL WORKSHOP ATTENDED

- Water, Water Purification and Sustainability Workshop. (2019) (IISER-K)
- DNA Barcoding: A newer trend in molecular taxonomy. (2019) (Egra SSB college)
- International Capacity Building Workshop on Ocean Acidification (ICBWOA). (2020) (IISER-K)

NATIONAL/INTERNATIONAL LEVEL SEMINAR ATTENDED

- From discovery to conservation: Scientific approaches to coastal bio-resource management. (2024)
- Bioactive Natural Compounds and their Effects on Animal Function, Health and Welfare. (2023)
- Coastal zone of West Bengal is in peril. (2019)
- Snake human conflict mitigation, taxonomy, snakebite and conservation. (2019)
- Anthropogenic impact on riverine ecosystem in coastal belt of West Bengal. (2019)
- Global warming and biodiversity loss. (2017)

ORAL PRESENTED

- Nutrient-specific responses of phytoplankton communities in adjacent to the Digha-Talsari coastline along the Bay of Bengal, India (Discipline-Specific Technical Session at the 7th Regional Science & Technology Congress (Region-4).
- Unraveling the Biogeochemical Controls on Phytoplankton Distribution Across the Northeastern Coastline (West Bengal and Odisha) of the Bay of Bengal, India. (Emerging pollutants and their effect in biodiversity, Ramananda College, Bishnupur) organized by Directorate of Forests government of India on the occasion of Aranya Saptaha-2026. (2^{nd} Place)

POSTER PRESENTED

- Nutrient-specific responses of phytoplankton communities in Sundarbans.
  Place-(IISER-K), 2020

Extra-Curricular Activities

- Participated in excursion.
- Participated in 'Youth Parliament' competition at school level
- Active blood donor

References

Prof. Punyasloke Bhadury
(Professor of Professor,Biological Science,IISER-Kolkata
Swarnajayanti Fellow
Mohanpur-741246, Nadia,WB
e-mail-pbhadury@gmail.com

Dr. Sudipta Kumar Ghorai
Principal
Ramanand College, Bishnupur
e-mail- sudiptag8@gmail.com

Dr. Dipak Kumar Tamili
Former Principal
Egra SSB College
e-mail- dktamil@gmail.com

Declaration

I hereby declare that all the information given above is true to the best of my knowledge.

(Debkumar Sahoo)