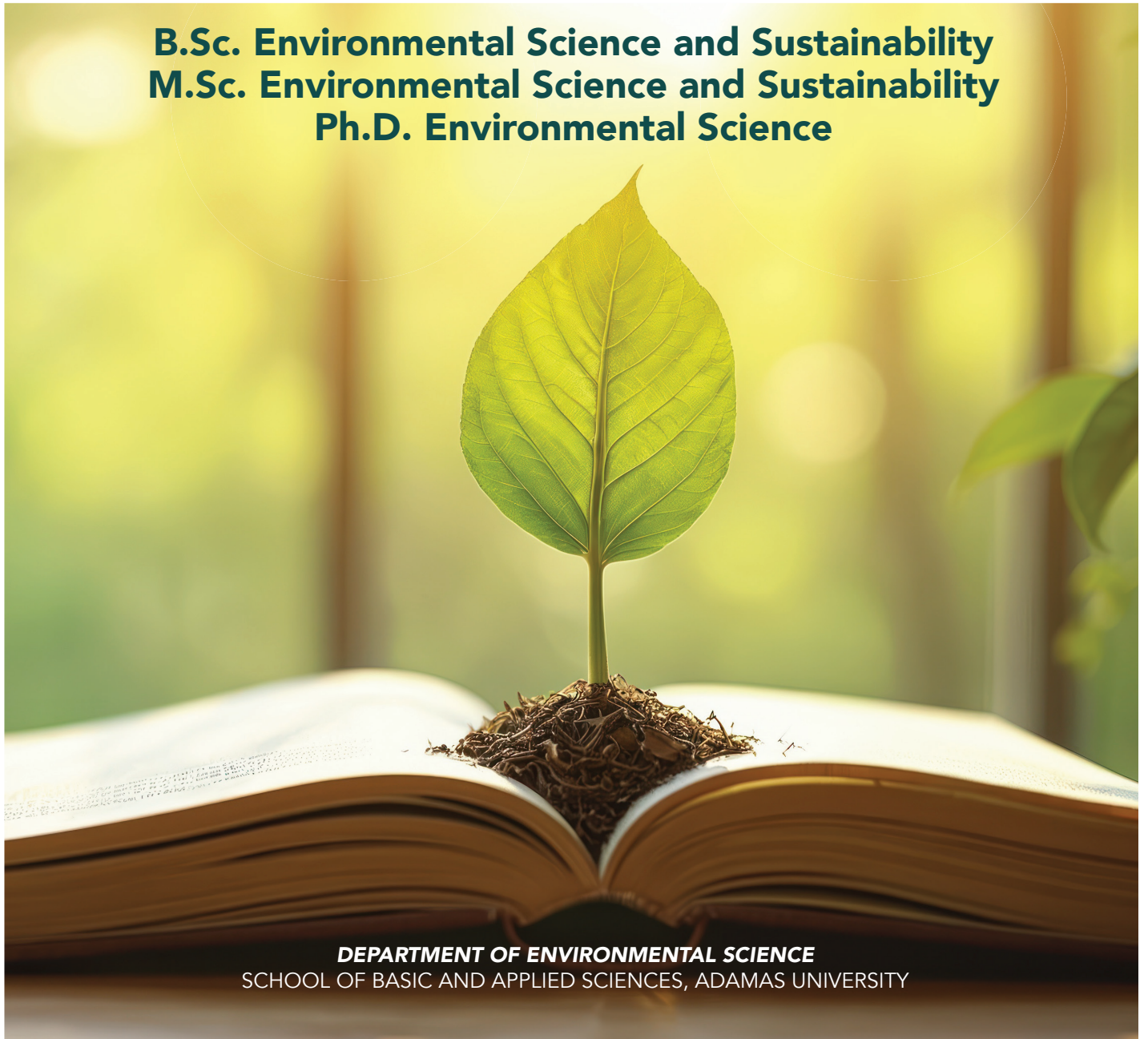


# FROM CLASSROOMS TO CLIMATE ACTION

*Join the frontlines of sustainability*

**B.Sc. Environmental Science and Sustainability**  
**M.Sc. Environmental Science and Sustainability**  
**Ph.D. Environmental Science**



**DEPARTMENT OF ENVIRONMENTAL SCIENCE**  
SCHOOL OF BASIC AND APPLIED SCIENCES, ADAMAS UNIVERSITY



## ***Fastest growing career domain***

according to US Labor Bureau and World Economic Forum  
Future of Jobs Report 2025

## **KEY FEATURES**



### ***Focus on Emerging Fields***

Environmental, Social, and Governance (ESG), Sustainability Reporting, GHG (Greenhouse Gas) Accounting, Circular Economy, Green Finance and Environmental Impact Assessment (EIA)



### ***Highly experienced faculty members***

Specialised in various domains with globally recognised certifications on sustainability and climate risk

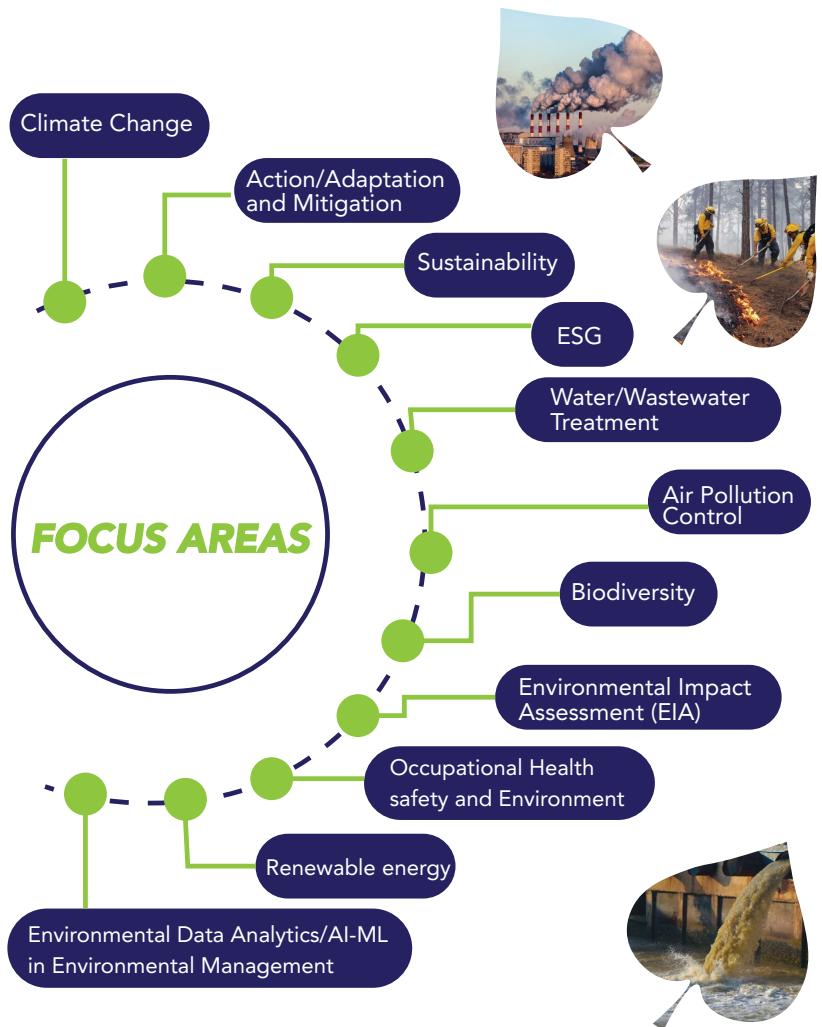


### ***Curriculum***

Includes Machine Learning (ML) and Artificial Intelligence (AI) in environmental research and data analysis

# USP

- Collaborations with global universities
- MoUs with industries and environmental organisations of international repute
- 100% placement assistance in core domains (in companies like S&P Global, Manikaran Power, etc.)
- Mandatory industrial internships at TATA Power, TATA Steel, Skipper Limited, Magpet Polymers Pvt. Ltd., Ultratech Environmental Consultancy, etc.
- Special classes for JAM/NET/GATE examinations and grooming sessions for campus recruitment interviews
- Highly qualified faculty members with experience of working in the state pollution control board, IIT, ICMR and CSIR Laboratories
- Masterclasses, Online and offline conferences, seminars, workshops and guest lectures by eminent national and international guests from both Academia and Industry





Shape your future with B.Sc. and M.Sc. in Environmental Science and Sustainability at Adamas University. Alongside core scientific knowledge, gain cutting-edge skills in AI, Machine Learning, and Environmental Data Analytics. Step into one of the fastest-growing global career domains — from climate action to green finance and ESG leadership.

**Dr. Moumita Dey**

Associate Dean, School of Basic and Applied Sciences  
Adamas University, Kolkata

## Eligibility for admission to B.Sc. Environmental Science and Sustainability

Minimum 50% in Class XII (10+2) or its equivalent with science and humanities subjects from a recognised board in India or abroad.

## Eligibility for admission to M.Sc. Environmental Science and Sustainability

Minimum 50% in a UG degree in any discipline of Science/Engineering/Agriculture Sciences/Forestry/Veterinary Science/Medical Sciences or any other allied disciplines from a recognised university.

# MoU WITH INDUSTRY

- **Industry-linked learning:** MoU with **Magpet Polymers Pvt. Ltd.** provides students with real-world exposure in recycling, waste management, ESG and circular economy practices
- **Internships & training:** Opportunities for paid internships, industrial training and on-site learning to enhance employability and practical skills
- **Research & innovation:** Scope for joint research projects, live case studies and industry-supported dissertations for UG and PG students
- **Skill development:** Regular workshops, expert lectures and hands-on sessions led by industry professionals
- **Career-aligned curriculum:** Industry inputs support curriculum enrichment, ensuring alignment with emerging sustainability and ESG careers



Adamas University in association with University of York (UoY) is organizing

## An Indo-UK Workshop on Addressing Indoor Air Quality (IAQ) Challenges in Kolkata: A Case Study in the Global South

### Highlights

- Discussion of the project outline
- Focus group discussion with students and vulnerable groups
- Training and deployment of low-cost sensors to participants for data collection

### Resource Persons:

**Dr. Darpan Das,**  
Assistant Professor and Principal Investigator, University of York, UK

**Dr. Deepnanjan Majumder,**  
Senior Principal Scientist, CSIR-NEERI Kolkata, India

**Dr. Gitismita Naik,**  
Assistant Professor, AIIMS Kalyani, India

**Dr. Saifi Izhar,**  
Assistant Professor, IIT ISM Dhanbad, India

**Dr. Indrani Ghosh,**  
Assistant Professor, Adamas University, India

Scan the QR Code to register



### Organizing Team Members:

Dr. Indrani Ghosh, Dr. Prantik Banerjee, and Dr. Tanmoy Kumar Dey

Please contact us at 9930490508 or mail us at [darpan.das@york.ac.uk](mailto:darpan.das@york.ac.uk) for any doubts/queries.

Date : 15<sup>th</sup> May 2024 | Time - 10 AM to 4 PM | Venue: Room No. 6109, Mechanical Building first floor



## Global Collaborations

A research collaboration with the University of York, UK, on the project titled "Indoor Air Quality in Homes of the Global South," involving students from Adamas University, providing them with the opportunity to participate in meaningful research.

[https://youtu.be/msoUqg\\_GjYo?si=fH4oCL3pUs0VSg8v](https://youtu.be/msoUqg_GjYo?si=fH4oCL3pUs0VSg8v)

<https://www.york.ac.uk/yes/yes-fellows/air-quality-in-homes-of-global-south/>

Calling all citizens of Kolkata!

Take part in the

**10 City Nature Challenge Kolkata**

April 25th - April 28th, 2025

- Download iNaturalist app
- Observe wildlife around you
- Click pictures of your findings
- Upload them on the app

Your observations will reflect the biodiversity of Kolkata!

Scan to join group

For queries: Purab - 9432064739, Tanmoy - 9874047549

[www.citynaturechallenge.org.in](http://www.citynaturechallenge.org.in)

World's Biggest Nature Challenge

- Download iNaturalist app
- Observe wildlife around you
- Click pictures of your findings
- Upload them on the app

Take part in the

**City Nature Challenge Kolkata**

April 26th - April 29th, 2024

Scan to know more

Dept. of Environmental Science, Adamas University jointly organised the City Nature Challenge, a global biodiversity event led by the California Academy of Sciences and LA's Natural History Museum, in collaboration with Nature Mates Nature Club and Diversity India in 2024 and 2025.

# REGULAR INDUSTRY CONNECT PROGRAMMES

**MEET THE LEADERS**

Title of the talk:  
**OPPORTUNITIES IN HEALTH, SAFETY AND ENVIRONMENT**

Date: 7th May 2021  
 Time: 4.00 PM - 5.30 PM  
 Platform: Zoom

Organized by  
 Faculty of Environmental Science (Department of Chemistry),  
 School of Basic and Applied Sciences, Adamas University

Convener:  
 Dr. Indrani Ghosh, Assistant Professor (Environmental Science)  
 Co-Convener:  
 Dr. Tanmoy Dey, Assistant Professor (Environmental Science)  
 Coordinator:  
 Dr. Prantik Banerjee, Assistant Professor (Environmental Science)

Link for Registration:  
<https://forms.gle/vm8tLS61baMMGRxWA>  
 For any queries please contact at  
 8100631196 / 9930490508



Registration is free and certificates will be provided to all participants.




Resource Person



**Chitra Murali**  
 Senior EHS Consultant,  
 Ramboll, India





Invited lecture series:  
**Sustainable Futures: Expert Talks on the Environment**

Topic: Planetary Boundary and Nature Based Solutions



Guest Speaker:  
**Mr. Arnab Basu**  
 Director (Sustainability Operations),  
 ERM, Gurgaon and Sustainability  
 Consultant & Educator, Sustainability/  
 EHS Advisor and Writer

**Venue:** Rabindranath Tagore Auditorium, Adamas University  
 Organised by: Faculty of Environmental Science, Dept. of Chemistry, Adamas University  
**Chair:** Prof. Dr. Radha Tamal Goswami, Pro-VC, Adamas University  
**Co-Chair:** Prof. Dr. Bimal Kumar Sarkar, Dean, SOBAS  
**Convener:** Dr. Rupam Sen, HoD, Dept. of Chemistry  
**Co-Convener:** Dr. Prantik Banerjee,  
**Coordinators:** Dr. Indrani Ghosh, Dr. Tanmoy Kumar Dey

**JAN 14, 2025**  
 2:00 PM to 4:00 PM

## OUR POTENTIAL RECRUITERS!!!

Sustainability	Carbon Trading/ Renewable Energy	EIA (Envirometal Impact Assessment)	Env. Analysis/ Env. Monitoring	Env. Managemnt/ Alternative Fuel
PWC KPMG Deloitte S&P Global ERM AECOM ARCADIS Wipro TCS	ONGC Manikaran Power and others	Ultratech Environmental Consultancy ERM AECOM Ramky	SGS India Centre for Science and Environment (CSE), Council on Energy, Environment and Water (CEEW) World Resources Institute (WRI)	TATA Power Birla group EATON Reliance UPL Pvt. Ltd L&T TERI Ramky

# Career Paths in Environmental Science and Sustainability

## Career opportunities in the industry sector

- Sustainability officer
- ESG analyst
- Pollution control specialist
- Consultant- Environmental Impact Assessment, Environment, Health and Safety
- Environmental entrepreneurship
- Manager/Process scientist- Water and Wastewater treatment
- GIS analyst or Land-use planner
- Environmental remediation
- Climatologist/Meteorologist
- Ecologist/Conservation biologist
- Marine Biologist/Oceanographer
- Environmental Data Analysis/Application of Machine Learning in Environmental Science
- Job opportunities in Govt. sectors
- Indian/State Forest Service
- Indian Environmental Service (Proposed by Govt. of India)
- Scientist in State or Central Pollution control boards
- Specialist in Waste Management/Contaminant cleanup agencies
- Environmental Impact Assessment reviewer in Ministry of Environment, Forests and Climate Change
- Auditor- Energy and Environment
- Auditor- Occupational and Chemical safety
- Coordinator- Public Health, Hygiene & Sanitation
- Environmental Law consultant in National Green Tribunal
- Ecologist in Govt. agencies

## Job opportunities in Govt. sector

- Indian/State Forest Service
- Indian Environmental Service (Proposed by Govt. of India)
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- Auditor- Energy and Environment
- Auditor- Occupational and Chemical safety
- Coordinator- Public Health, Hygiene & Sanitation
- Environmental Law consultant in National Green Tribunal
- Ecologist in Govt. agencies



## SOME OF OUR NOTABLE ALUMNI



### Ms. Suryatapa Das

M.Sc. Environmental Science,  
2020-2022 Research Analyst  
S&P Global, Hyderabad, India



### Ms. Sayori Dasgupta

M.Sc. Environmental Science,  
2021-2023 Environmental Manager,  
Vardan EnviroNet LLP, Manesar,  
Haryana



### Ms. Ahana Paul

M.Sc. Environmental Science,  
2020-2022 EIA Specialist  
Shyam Enviro Consultants,  
Kolkata



### Ms. Neha Kumari

Specialist- Nature Based  
Climate Solutions  
Terracon Ecotech Private  
Limited, Mumbai



### Ms. Saptaparni Chakraborty

M.Sc. Environmental Science,  
2021-2023 Environmental Chemist,  
SGS India Pvt. Ltd., Kolkata



### Mr. Anamitra Tikadar

M.Sc. Environmental Science, 2023-2025  
Environment Executive, Kryfs Power  
Components Ltd.  
Qualified UGC -NET in Environmental  
Science, December 2024

## OUR FACULTY MEMBERS



### Dr. Indrani Ghosh

Assistant Professor and Head of the Dept. Environmental  
Science

Academic Qualifications and Certifications

- Ph.D. (Environmental Science and Engineering) from IIT Bombay (2015)
- Qualified GATE (2008)
- M.Sc. in Environmental Science from Asutosh College, University of Calcutta (2008)
- B.Sc. (Hons.) in Chemistry from Bethune College, University of Calcutta (2006)

Specialisation areas:

Wastewater Engineering, Bioremediation, Environmental Chemistry, Microalgal treatment of wastewater, Statistical Modelling and Computation, Urban Ecology



### Dr. Prantik Banerjee

Assistant Professor, Environmental Science  
Global Association of Risk Professionals – Sustainability  
and Climate Risk (GARP-SCR) Certificate Holder

Academic Qualifications and Certifications:

- Ph.D. in Environmental Science from the University of Calcutta (2015)
- P.G. Diploma in Environmental Management from Annamalai University (2012)
- M.Sc. in Environmental Science from the University of Calcutta (2008)
- B.Sc. (Hons.) in Chemistry from the University of Calcutta (2006)

Specialisation areas:

Sustainability and Climate Change, Environmental chemistry, Ecology, Biodiversity, Carbon Accounting, Pollution Monitoring, Assessment and Control, EIA



### Dr. Tanmoy Kumar Dey

Assistant Professor  
Environmental Science

Academic qualifications and certifications:

- Ph.D. in Environmental Science from the University of Calcutta (2017)
- Qualified GATE (2011)
- M.Sc. in Environmental Science from the University of Calcutta (2009)
- B.Sc. in Zoology (Hons.) from the University of Calcutta (2007)

Specialisation areas:

Natural Product Biochemistry, Nanoceutical Formulation, Infection Immunology



### Dr. Vijoyeta Chakraborty

Assistant Professor, Environmental Science

Academic Qualifications and Certifications:

- Ph.D. in Science from Jadavpur University (2022)
- DST-SERB SRF (2019)
- Qualified UGC-NET (2017)
- M.Sc. in Environmental Science from the University of Calcutta (2016) (Gold Medallist)
- Certified Environmental Analyst (2014)
- B.Sc. in Environmental Science (Hons.) from the University of Calcutta (2013) (Gold Medallist)

Specialisation areas:

Nano Material Synthesis and Application in Pollution Control Technologies, Advanced Wastewater Treatment Technology, Air Pollution Control and Monitoring, Environmental Toxicology, Environmental Microbiology and Bioremediation.

## OUR FACULTY MEMBERS



### Dr. Moumita Chakraborty

Assistant Professor, Environmental Science

Academic qualifications and certifications:

- Ph.D. (Environmental Science) from G. B. Pant University of Agriculture and Technology, Pantnagar, Uttarakhand (2023)
- Qualified ICAR SRF (2018)
- Qualified West Bengal SET (2023)
- M.Sc. in Environmental Science from the University of Kalyani (2015)
- B.Sc. (Hons.) in Environmental Science from Berhampore Girls' College, University of Kalyani (2013)

Specialisation areas:

Environmental Microbiology and Bioremediation, EHS, EIA, Nanoremediation.



### Dr. Ritam Bhattacharya

Assistant Professor, Environmental Science

Academic qualifications and certifications:

- Ph.D. from the University of Calcutta (2017)
- PG certificate in Agroecology from the University of Calcutta (2016)
- M.Sc. in Environmental Science from the University of Calcutta (2008)
- B.Sc. (Hons.) in Zoology from the University of Calcutta (2006)

Specialisation areas:

Ecology, Biodiversity, Conservation, Agroecology, Sustainable Agriculture, Insect Pollination, Wildlife Biology, Molecular Ecology



### Ms. Aditi Ghosh Hazra

Teaching Assistant, Environmental Science

Academic Qualifications and Certifications:

- M.Sc in Environmental Science from the University of Calcutta (2015).
- B.Sc (Hons) in Botany from Raja Peary Mohan College, University of Calcutta (2013)

Specialisation areas:

Environmental Ecology, Conservation Biology, Sustainability.



### Ms. Rupa Chaudhuri

Teaching Assistant, Environmental Science

Academic Qualifications and Certifications:

- Qualified GATE 2023,2024.
- M.Sc in Environmental Science from the University of Calcutta (2021).
- B.Sc in Microbiology from Dinabandhu Andrews College, University of Calcutta (2019).

Specialisation areas:

Environmental Carcinogenesis, Environmental Microbiology, Cell Biology and Molecular Biology.



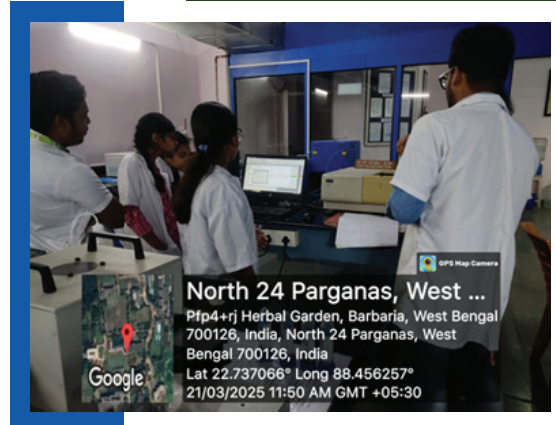
### Ms. Dwitiya Mondal, M.Sc.

Lab Technician



# HANDS-ON TRAINING

- # Sophisticated Laboratory instruments like UV-Visible Spectrophotometer
- # Gas Chromatograph and Atomic Absorption Spectrometer
- # Field Instruments



# RESEARCH AND INNOVATION

- # 50+ Journal articles (SCI/SCOPUS) in the last 5 years (including High Impact Journals)
- # 5+ Seed Projects from Adamas University for pursuing Research



# BEYOND THE CLASSROOM

*Experiential Learning Journey*



Visit to Baranti, Purulia, December 2021

Visit to a Sewage Treatment Plant (STP) under Namami Gange Scheme, June 2022



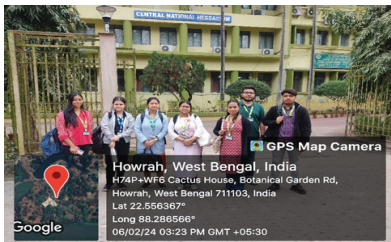
Socio-economic survey at Susni Island, Bakkhali, West Bengal, in December 2022

Visit to a Sewage Treatment Plant (STP) under Namami Gange Scheme, May 2023

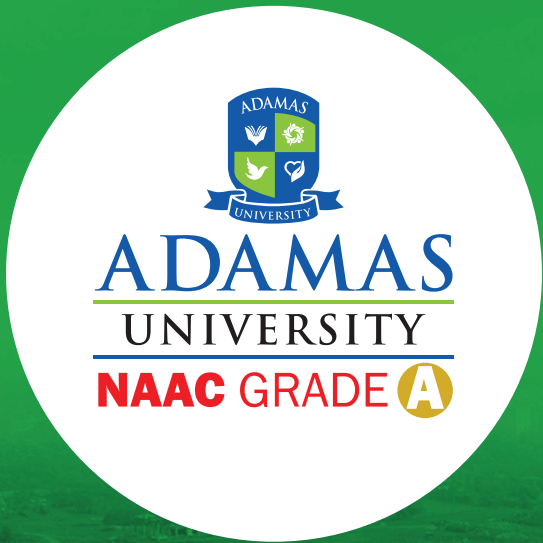


Visit to Buxa-Jayanti, Alipurduar, February 2024

Setting up a Camera Trap for a biodiversity study by students at Chilapata Forest, Alipurduar, West Bengal in March 2025



Visit to Botanical Survey of India laboratory, Acharya Jagadish Chandra Bose Indian Botanic Garden, Shibpur, Howrah, February 2024



Scan the QR to know more



**Our Group of Companies**

An initiative by **RICE ADAMAS GROUP**



**Address: Adamas Knowledge City, Barasat - Barrackpore Road, Jagannathpur, North 24 Parganas, Kolkata - 700 126**  
**Admission City Office: Haute Street, 86 A, Topsia Road, (2nd Floor) Topsia, Kolkata - 700 046**

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