

Shamina Israt Tithi

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Career Profile

My passion for earth and environmental science is rooted in hands-on exploration, collaborative learning, and my academic journey. As an Adjunct Lecturer at Brooklyn College, I design and deliver courses that combine scientific rigidity with real-world relevance—whether it's GIS-based climate resilience projects, interactive labs, or community-centered case studies. I bring a dynamic approach to the classroom, drawing on my experience in environmental research, data analysis, and student mentorship. I am interested in contributing my skills to a diverse, forward-thinking academic community, especially in Environmental Science.

Experiences

Adjunct Lecturer

October 2024 - Present

Brooklyn College, Earth and Environmental Sciences Department

- Taught dynamic Earth processes to undergraduate students, helping them observe and understand key environmental science concepts.
- Designed and delivered engaging course lectures and assignments, using active learning techniques to improve student participation.
- Mentored students, providing academic support and guidance to facilitate their learning and success.
- Coordinated with faculty members on related courses, ensuring consistency in curriculum delivery.

Sustainability Coordinator

October 2024 – June 2025

INTA Boro Transportation Service

- Ensure compliance with environmental regulations and internal sustainability standards.
- Monitor environmental performance using key performance indicators (KPIs).
- Adjust pricing and build strategies to support environmental and financial goals.
- Analyze environmental data and find out areas for improvement and innovation.
- Maintain records for environmental reporting.

Administrative and Field Inspection Intern

Mar 2024 – July 2024

Alpha Environmental Services, Inc.

- Conducting research to identify partners using online resources and interpersonal skills to explore opportunities at local and national levels.
- Community engagement, environmentalists, and climate leaders to improve community involvement.
- Conducted site visits to assess environmental risks, ensuring worker safety by inspecting safety materials and reviewing PPE use, and reporting any potential asbestos exposure hazards.
- Provided editorial and writing support for various materials, including letters, proposals, reports, Letters of Intent (LOIs), and newsletters, while also corresponding with stakeholders, tracking project progress, and editing environmental advocacy materials.

Seafood Processing Recovery Research Analyst

Jan 2024 – July 12

Sethi Lab | Science for Ecosystem Management

- Conducted metadata analysis of seafood product recovery, including a comprehensive review of scientific literature on seafood processing recovery rates and categorization of recovery rates for various fish species and product types, to assess sustainable waste management practices.
- Evaluated research on sustainable seafood processing waste management practices.
- Compiled and categorized data on seafood processing recovery rates for various fish species and product types.

Research Assistant

Jun 2023

Carbon Sponge Project, White Feather Farm, New York

- Conducted soil profile analysis, identifying key soil properties that contributed to effective land management and environmental planning
- Collected and analyzed soil samples, helping make informed decisions about soil quality, nutrient content, and pH levels

Research Assistant

Jan 2022 – Dec 2022

United Organization - Disaster Risk Reduction (DRR) Intervention, Bangladesh

- Prepared and submitted daily survey reports.
- Monitored and ensured the timely completion of village-level DRR plans for improved disaster resilience

Volunteer Research Assistant, UN Smart Boat Scheme, Nov 2021 – Dec 2021
Local Government Initiatives on Climate Change, UNDP, Bangladesh

- Developed climate-resilient schemes for vulnerable communities, enhancing adaptability.
- Created a project implementation standard manual to ensure effective execution of climate projects.

Research Assistant Jan 2019 – Nov 2020
National Agricultural Technology Program - Phase 2, Bangladesh Agricultural Research Council

- Successfully conducted seed collection for native threatened tree species, and preservation of the biodiversity in Bangladeshi forests.
- Achieved production of high-quality seedlings through effective seed pre-sowing treatments and fertilizer applications

Facilitator Nov 2015 - Jul 2018
Active Citizens Youth Leadership Training Project, Bangladesh

- Delivered training, emergency response services, and climate vulnerability assessments to improve the project's success.

Education

Master of Arts in Earth and Environmental Sciences 2024
Brooklyn College, CUNY, New York

Bachelor of Science in Forestry 2018
University of Chittagong, Bangladesh

Skills

Technical Skills:

- Soil sampling and analysis
- Field inspections and stewardship activities
- Geographic Information Systems (GIS) Software (ArcGIS, QGIS)
- Spatial Data Analysis
- Mapping and Visualization

- Subject matter expertise in earth and environmental sciences
- Effective teaching and communication skills
- Ability to mentor and support students
- Strong organizational and time management skills

Soft Skills:

- Research
- Data Collection and Analysis
- Project Management
- Community Engagement
- Communication (written and verbal)
- Bilingual communication (fluent in Bengali, Hindi, Urdu, and basic Spanish skills)

References

1. David Seidemann

Professor and Undergraduate Deputy,

4229 Ingersoll Hall,

718.951.5000 x2882.

Brooklyn College.

Email: dseidemann@comcast.net

2. Zhongqi (Joshua) Cheng

Professor of Environmental Geochemistry, Urban Soils and Urban Sustainability & Graduate Deputy

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#BCUrbanSoils Lab

3. Peter M. Groffman

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