

Mehedi Hasan

| Contact no.: (+880) 1521 - 428542; Portfolio: meh-ha.github.io/p |

| Email: mehhasan@outlook.com |

RESEARCH INTEREST

- Climate Justice
- Climate Adaptation
- Participatory Policy Analysis and Advocacy
- Natural Resources Rights and Management

EDUCATION

Bachelor of Science in Environmental Science

Passing year: 2021

Jashore University of Science and Technology, Jashore, Bangladesh

Related coursework: Environmental Management Systems (EMS), Environmental Impact Assessment (EIA), Environmental Ethics, Protocols and Laws, Industrial Pollution & Management, Climate Change and Adaptation, Disaster Management, Biodiversity Conservation & Ecotourism, Toxicology and Eco-toxicology, Water & Wastewater Treatment, Energy and Environment, Research Methodology, Environmental Modeling, Environmental Pollution. GIS.

Result/CGPA: 3.19 out of 4

TECHNICAL SKILLS

Research: Experienced in research co-design, policy evaluation, quantitative and qualitative research, and mixed methods approaches. Expertise in interviews (Individual and KII), ethnographic fieldwork, focus groups discussions (FGDs), data collection tools development, data analysis, geospatial data collection and analysis.

Software and applications: Microsoft Office Suite, NVivo, Power Bi, ArcGIS, QGIS, Pix4D, Google Earth Engine, SPSS, Origin, STATA, Python, R, HTML, CSS, KuboToolbox, SureveyCTO

Languages: Bengali (*Native*), English (*full professional proficiency*), Hindi (*Basic*).

PROFESSIONAL EXPERIENCES

Programme Quality Officer

March - November 2024

Research Assistant

April - February 2024

Organization: Oxfam

- Co-designed, co-created and co-facilitated community-based research approach.
- Developed research frameworks, data collection tools and managed data collection from the field
- Undertook surveys and interviews, FGDs, KIIs and through participatory approach (PRA) with diverse communities and governmental stakeholders and private sector stakeholders in Urban and Rural setting.
- Applied Skills and experiences in operating Drone: DJI Mavic 3 Multispectral for real time Remote Sensing, adept in aerial surveying, data acquisition with drone safety protocols.
- Provided remote sensing (RS) data collection, management, and analysis utilizing Pix4ddesktop, Pix4dcloud, Drone Deploy, DJI Terra, and GIS software ArcGIS Pro, ArcGIS, and QGIS for research mapping.
- Conducted analytical write-ups including preparing analytical reports, presentations and publications.

Research Coordinator

August 2021 – March 2022

Research Assistant and Analyst

June 2021 - August 2021

Organization: Centre for Environment and Climate Change Research (CECCR)

- Lead participatory, data-driven, result-oriented, goal-focused collaborative R&D activities.
- Managed data through input & analysis by various tools (MIS, KuboToolbox, SurveyCTO, SPSS, NVivo).
- Ensured flawless data collection analyzed data from surveys, interviews, focus group discussions, and secondary sources using quantitative and qualitative methods from field and households.
- Prepared and presented research findings, results and field reports to the project leader and stakeholders.
- Collaborated with a multidisciplinary team of researchers, veterinarians, extension workers, and local community members through accountability to the development projects participants with gender balance.

RESEARCH PROJECTS, CONFERENCE PRESENTATION & MANUSCRIPT

Publications

Abundance and distribution of anthropogenic marine litter on the beaches of Sonadia Island: An Ecologically Critical Area March 18, 2024

Regional Studies of Marine Science | doi.org/10.1016/j.rsma.2024.103690

Adapting to change: Exploring reverse migration as coping strategy among internal migrants in Bangladesh, Heliyon August 26, 2023

doi.org/10.1016/j.heliyon.2023.e19479

Research Projects

Climate Adaptation through Community Stewardship in Ecosystem Restoration and Ongoing Management

Developed research frameworks and tools for field data collection, followed by GIS and RS analysis, leading to sustainable forest resource management.

Evaluating Renewable Energy Adoption and green jobs in RMG Industries 2024

Analyzed renewable energy policies, focusing on solar and wind adoption in Dhaka's RMG sector, providing recommendations for policymakers.

Gender and Climate Justice: Impacts of Environmental Policy on Women 2024

Assessed the gendered impact of environmental policies through interviews and reports, offering gender-responsive climate recommendations for international forums.

Youth-Led Climate Initiatives in the Asia-Pacific Region 2023

Mapped youth-led climate initiatives in the Asia-Pacific through surveys and interviews, publishing insights to boost youth participation in climate policy.

Assessment of Indigenous Knowledge and Technology Used for Climate Adaptation and Resilience in Bangladesh. 2023

Evaluated indigenous knowledge and technologies for climate adaptation in Bangladesh, highlighting traditional resilience strategies in national adaptation frameworks.

Impact of Climate Change on Occurrence and Distribution of Animal Diseases and Deaths in Small Holder Farming Systems: An Investigation of Farm-level Experiences. 2023

Investigated the effects of climate change on animal diseases and mortality in smallholder farms, offering insights into farm-level climate resilience.

Integrated Assessment Study on Sustainability of Safe Drinking Water Supply in Bangladesh. 2019

Performed an integrated assessment on the sustainability of safe drinking water supply systems in Bangladesh, focusing on long-term water security strategies.

Conference Presentation

Assessment of Community Stewardship over Ecosystem Services within Climate Nexus: A Pathway Towards Locally-led Adaptation in Nijhum Dwip, Bangladesh. November 2023

South Asian Climate Conference

Youth in the Fight Against Climate Change: Policy and Practice April, 2023

Presented at the 'Youth Summit on Climate Actions,' organized by the United Nations in Dhaka.

Manuscript Under Review

Exploring Climate Justice and Natural Resource Rights: Climate Adaptation through Community Stewardship in Ecosystem Services Management in MPA.

Manuscript submitted in the Journal of Ocean & Coastal Management (Co-authored) 2024

AWARDS AND SCHOLARSHIPS

Climate Change Ambassador Award 2024

Acknowledged for leadership in youth-led initiatives in climate advocacy and action at the national level.

Rising Star Award 2023

Awarded for outperforming and consistent high performer for the fiscal year 2023 at Oxfam in Bangladesh

Best Dissertation Award 2023

Awarded for the best dissertation of the session 2017-18 in the Department of Environmental Science and Technology at Jashore University of Science and Technology.

Bangladesh Poribeshbid Society Research Scholarship 2022

Awarded to support the bachelor's dissertation

Runner-up at Inter-University Poster Presentation Competition 2021

Won 2nd place in the inter-university poster presentation in "Environmental Innovative Solution" Category

Dr M. N. Khan Scholarship

Awarded to support the BSc degree pursued at Jashore University of Science and Technology 2018

RELEVANT TRAININGS & COURSES

Earth Observations for Humanitarian Applications | NASA's Applied Remote Sensing Training (ARSET) June 2024

Key Roles of Youth and Children to Address Loss and Damage under the Youth and Children Platform on Loss & Damage (YCPLD) | ICCCAD May 2024

NVivo for Qualitative and PowerBi for Data Visualization | Oxfam March 2024

SPSS for Quantitative Data Analysis | Oxfam February 2024

Project Design Development and Setting Indicators | Oxfam April 2023