

Dibash Deb

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ACADEMIC QUALIFICATION:

- **MS in Oceanography (10 August 2022 to date)**

Department of Oceanography, Faculty of Marine Sciences and Fisheries (FMSF), University of Chittagong, Chattogram-4331, *Result: Result pending (Thesis appeared)*

Thesis: *Oceanic-Meteorological Process: WRF Model Study on Tropical Cyclone Mocha's Cyclogenesis and Coastal Impacts in Bangladesh.*

- **BSc in Oceanography (Passing Year-2023)**

Department of Oceanography, Faculty of Marine Sciences and Fisheries (FMSF), University of Chittagong, Chattogram-4331, *Result: 3.86 out of 4.0 (Position: 1st)*

RESEARCH AND WORK EXPERIENCE:

- **Research Assistant (April 2024 to date)-Center for Sustainable Development (CSD), University of Liberal Arts Bangladesh, Dhaka.**

- Prepare research design and questionnaire for Interview Schedule, FGDs, KII, PRA and Case studies
- Performing data collection from the field and analysis
- Manuscript writing

- **Research Assistant (January 2021 to January 2024)-Coastal Ocean Observation and Prediction Laboratory (COOPL), University of Chittagong.**

- Acted as a data analyst and analyzed data using Excel, SPSS, Python, NVivo, and ArcGIS.
- Managed lab, guided new research students, and trained them on several statistical software and report writing.
- Performed physico-chemical parameters testing of water such as pH, turbidity, BOD, COD, dissolved oxygen, alkalinity, hardness, and soil test using sieve analysis.

RESEARCH ARTICLE PUBLICATIONS:

- Deb, D., Uddin, M. M., Kibria, A. S. M., Das, M. K., and Hasan, M., (2024). Coastal Vulnerability Assessment to Multi Hazards in The Exposed Coast of Southeastern Coastal Region of Bangladesh. *Regional Studies in Marine Science*, 103484. DOI: <https://doi.org/10.1016/j.rsma.2024.103484>
- Mozumder, M. M. H., Schneider, P., Islam, M. M., Deb, D., Acharjee, M. R., & Washi, A. M. J. (2024). Bridging the gap: enhancing socio-ecological resilience by breaking the debt cycle among small-scale hilsa fishers in Bangladesh. *Maritime Studies*, 23(1), 10. DOI: <https://doi.org/10.1007/s40152-024-00355-3>
- Mozumder, M. M. H., Schneider, P., Mahmudul Islam, M., Deb, D., Hasan, M., Monzer, M. A., & Nur, A. A. (2023). Climate change adaptation strategies for small-scale Hilsa fishers in the coastal area of Bangladesh: social, economic, and ecological perspectives. *Frontiers in Marine Science*, 10, 1151875. DOI: <https://doi.org/10.3389/fmars.2023.1151875>
- Mozumder, M. M. H., Uddin, M. M., Schneider, P., Deb, D., Hasan, M., Saif, S. B., & Nur, A. A (2023). Governance of Illegal, unreported, and unregulated (IUU) fishing in Bangladesh-status, challenges, and potentials. *Frontiers in Marine Science*, 10, 1150213. DOI: <https://doi.org/10.3389/fmars.2023.1150213>

- Uddin, M. M., Schneider, P., **Deb, D.**, Hasan, M., Ahmed, T., Mim, S. S., & Mozumder, M. M. H. (2022). Impacts, Diversity, and Resilience of a Coastal Water Small-Scale Fisheries Nexus during COVID-19: A Case Study in Bangladesh. *Water*, 14(8), 1269. DOI: <https://doi.org/10.3390/w14081269>
- **Deb, D.**, Schneider, P., Dudayev, Z., Emon, A., Areng, S. S., & Mozumder, M. M. H. (2021). Perceptions of urban pollution of river dependent rural communities and their impact: A case study in Bangladesh. *Sustainability*, 13(24), DOI: <https://doi.org/10.3390/su132413959>

RESEARCH ARTICLE UNDER REVIEW/ IN PREPARATION:

- Hasan, M., Uddin, M. M., Kibria, A. S. M., Das, M. K., and **Deb, D.**, (2024). A GIS-based integrated study assessing the socio-physical vulnerability of the south-central and south-western coastal regions of Bangladesh. *GeoJournal* [GEJO-D-24-00257]. (Under Review)
- Investigating the seasonal variation of trace metal concentration in fish and shellfish species of Passur River Estuary, Bangladesh in the Journal of NOAMI of National Oceanographic and Maritime Institute (NOAMI).

ONGOING RESEARCH PROJECT:

- A Comprehensive Assessment of the Vulnerability and Diminution of Marine Biodiversity in Response to Climate Change in Coastal Regions of Bangladesh. (Principal Investigator: Dr. Samarendra Karmakar)

PARTICIPATED IN TRAINING/ WORKSHOP/ CONFERENCE:

- **BCSIR Congress 2023**- Three days two days long conference held on 08-10 April, 2024 organized by Bangladesh Council of Scientific and Industrial Research (BCSIR), Dhaka, Bangladesh.
- **International Conference on Oceanography (ICO-2024)**- Two days long conference held on 27-28 January 2024 organized by Bangladesh Oceanographic Research Institute, Bangladesh.
- **11th International Perspectives on Water Resources and the Environment (IPWE) Conference 2023**- 3-days long conference co-organized by The Environmental & Water Resources Institute of the American Society of Civil Engineers (ASCE-EWRI) and Bangladesh University of Engineering and Technology (BUET-IWFM), was held on 04-06 June 2023.
- **Workshop on Gender, Non-migration, and Climate Change Workshop**- Day-long training session organized by Utrecht University and the International Centre for Climate Change and Development (ICCCAD) in May 2023.
- **Qualitative Methods Workshop for Transport and Mobility Research**- Day-long workshop on several qualitative methods for research organized by URP-BUET and EQUIMOB project in May 2023.
- **Training on Participatory GIS**- Three days long training session organized by West Virginia University through its YouthMappers program in January 2019.
- **South Asian (Regional) River Camp 2019**- Seven days long training organized by Oxfam in Bangladesh, Center for Natural Resource Studies (CNRS), and Gana Unnayan Kendra (GUK) in June 2019.
- **Symposium on Advances in Coastal Research with special reference to Indo Pacific- 2019 (AdCoRe IP 2019)** - Three days long symposium held on 17-19 December 2019 organized by the National Centre for Coastal Research (NCCR), Ministry of Earth Sciences, Government of India in collaboration with Research and Information System for Developing Countries (RIS).
- **Workshop on Know Your River: Youth Researcher's Workshop** – Three days long workshop hosted by the Center for Natural Resources Studies through the TROSA project in May 2018.

ACHIEVEMENTS AND AWARDS:

Academic Award

- **National Science and Technology (NST) Fellowship**- *on MS Thesis (2023)*.

- **Award of Excellence/Honors Scholarship-** for securing *1st* position in the Bachelor of Science exam (2019).
- **Education Board Scholarship - General Grade scholarship in Higher Secondary School Certificate (HSC) Examination was awarded by the Ministry of Education, Bangladesh (2014).**
- **Education Board Scholarship- General Grade scholarship in Secondary School Certificate (SSC) Examination was awarded by the Ministry of Education, Bangladesh (2012).**

Research Grant

- **MoST Special Research Grant (SRG) for the fiscal year 2023-2024-** achieved as a Research assistant and awarded by the Ministry of Science and Technology (MoST), Bangladesh.
- **Young Water Leader Fellowship 2019 and Young Research Fellowship 2020-** awarded by Transboundary Rivers for Our Sustainable Advancement (TROSA) project of Oxfam and guided by the Center for Natural Resource Studies (CNRS).

Photography competition

- **People's Choice Award Winner-** 4th Mangrove Action Project Photography Contest 2018 organized by Mangrove Action Project (MAP) in October 2018.

LEADERSHIP & EXTRA-CURRICULAR EXPERIENCES:

- **Youth Committee Member-** Asia Marine Educators Association (AMEA) (Duration: 2022 to date)
- **Student Coordinator-** South Asian Meteorological Association (SAMA) (Duration: 2023 to date)
- **Student Advisor-** Chittagong University Scientific Society YouthMappers (Duration: 2022 to date)
- **Organizer-** 2nd Chittagong Science Carnival-2022 (Participants: 1000+ students and professionals)
- **President-** Chittagong University Scientific Society (Duration: 2020-21)
- **National Coordinator-** Global Youth Biodiversity Network (GYBN) (Duration: 2020-21)
- **Organizer-** 1st Chittagong Science Carnival-2019 (Participants: 1000+ students, professionals from all over the country).
- **Organizer-** Movement for Climate Justice and Better World: March for Climate- 2019 (Participants: 100+ students from different departments of the University of Chittagong)
- **Organizer-** International Earth Day 2018: Clean Campus Green Campus at the University of Chittagong. (Attendee: 450+ people).
- **Co-founder-** Octophin (Established: 2021)
- **Cadet Sergeant-** Bangladesh National Cadet Corps (Naval wing) (Duration 2017-19)
- **Founding and Executive Member-** Blue Green Foundation Bangladesh (Duration: 2016-18)
- **Volunteer-** Center for Natural Resource Studies (CNRS) (Feb 2018 to date)

OTHER QUALIFICATIONS:

- **Computer Skills:** Microsoft Office (Word, PowerPoint, Excel), Graphic design (Illustrator, Canva), Video Editing, Basic Weather Research and Forecasting (WRF) Model, NVivo, SPSS, Python programming.
- **Communication Skills:** Decision making, public speaking, Influencing, Team management.
- **Language Proficiency:** IELTS score - 7.0 (Speaking-7.5, Reading-7.0, Listening-7.0, Writing-6.0)