

Personal Information



Md. Simul Bhuyan

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Websites:

- <https://scholar.google.com/citations?user=TXCh4G8AAAJ&hl=en>
- <https://vwww.researchgate.net/profile/MdBhuvan4>
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Sex Male | Nationality Bangladeshi

Work Experiences

1. 28/08/2022-Present **Scientific Officer**
Bangladesh Oceanographic Research Institute (BORI), Cox's Bazar
2. 02/04/2022-02/07/2022 **Senior Officer**
DM Watch, Dhaka
3. 01/07/2021-01/04/2022 **Project Director (Seaweed Cultivation)**
Bangladesh Marine Fisheries Association, Dhaka
4. 28/07/2018- 20/01/2021 **Research Co-Investigator**
Bangladesh Oceanographic Research Institute (BORI), Cox's Bazar
5. 10/09/2017- 21/07/2018 **Research Associate**
Halda River Research Laboratory, University of Chittagong, Chittagong
6. 26/02/2013-23/12/2017 **Research Associate of different projects**
Institute of Marine Sciences and Fisheries, University of Chittagong, Chittagong

Responsibilities include:

1. Sampling
2. Photography and videography
3. Lab analysis
4. Data processing and analysis (using the software)
5. Project report and Manuscript writing
6. Manuscript publication

EDUCATION

Name of the Exam.	Duration of Education	Different year of Passing	GPA offered	Total GPA obtained	Board/University
PhD (Ongoing)					
Masters of Science in Marine Science	1 year	2014 (Held in 2017)	4.00	3.78	University of Chittagong
Bachelor of Science in Marine Science	4 years	2013 (Held in 2015)	4.00	3.68	University of Chittagong
Higher Secondary Certificate (H.S.C.)	2 years	2008	5.00	5.00	Dhaka
Secondary School Certificate (S.S.C)		2006	5.00	5.00	Dhaka

Personal Skills

Scientific software operator to analyze data
Web page designer and Skilled with internet/ WWW

Mother Tongue

Bengali

Other Tongue

English, Hindi

IELTS Score

Listening: 6.5 Reading: 6.0 Writing: 6.0 Speaking: 6.5
Overall Band score: 6.5

Communication Skills

1. Good communication skills gained through my experience as researcher
2. I can communicate well with foreign scientists attending some conferences
3. I can approach myself with the situation

Organizational Skills

1. As a research co-investigator & associate I instructed my juniors
2. I organized seminars
3. Deal with the researchers and professors

Job Related Skills

1. Leadership skill
2. Good managing skill

Computer and Softwares Skills

Outlook; Microsoft Office v.2020; PRIMER v.6; ArcGIS v.10.3; SPSS v.22; Surfer 13; PAST; PROBIT; CANOCO; Adobe Photoshop and Adobe Illustrator; Web page designer and Skilled with internet/ WWW.

Digital Skills

SELF-ASSESSMENT

Information processing	Communication	Content creation	Safety	Problem-solving
Excellent level	Excellent level	Good level	Medium level	Excellent level

Selected Journal Publications

1. Yacoubi, L., Savoca, D., El Zrelli, R. B., Gopalan, J., Nazal, M., Lin, Y. J., ... **Bhuyan, M.S.** & Rabaoui, L. J. (2024). Trace element levels in the muscles of three tern species (Aves: Laridae) from the western Arabian Gulf: environmental assessment and implications for conservation. *Environmental Monitoring and Assessment (Springer)*, 196(3), 235.
2. **Bhuyan, M.S.**, Bat, L., Senapathi, V., Kulandaisamy, P., Sekar, S., Haider, S.M.B., Meraj, G., Islam, M.T., Kunda, M., Alam, M.W., Rabaoui, L. (2024). A review on sea cucumber (Bengali: Somuddro Sosha) as a bioindicator of heavy metal contamination and toxicity. *Marine Pollution Bulletin (Elsevier)*, 199: 115988.
3. **Bhuyan, M.S.**, Haider, S.M.B., Kunda, M., Husain, S.A., Chowdhury, E., Senapathi, V., K. Sivakumar, Elangovan, M. (2023). Experimental cultivation of seaweed on the coast of Cox's bazar, Bangladesh: identifying the effects of environmental parameters on seaweed growth. *Journal of Applied Life Sciences and Environment*, 56(3), 413-436.
4. Al Mazed, M., Haque, A., Iqbal, M., Rana, S., Ahammad, K., Quader, F. B., ... & Ahmed, S. I., **Bhuyan, M.S.** (2023). Heavy metal (As, Cr, and Pb) contamination and associated human health risks in two commercial fish species in Bangladesh. *Environmental Monitoring and Assessment (Springer)*, 195(12), 1400.
5. Roy, R., Monju, M. H., Tan, M. L., Rahman, M. S., Kundu, S., Rahman, S., ... & **Bhuyan, M.S.** (2023). Determining synergies and trade-offs between adaptation, mitigation and development in coastal socio-ecological systems in Bangladesh.

Environmental Development (Elsevier), 100936.

6. Ahmad, H., Abdallah, M., Jose, F., Elzain, H. E., **Bhuyan, M. S.**, Shoemaker, D. J., & Selvam, S. (2023). Evaluation and mapping of predicted future land use changes using hybrid models in a coastal area. *Ecological Informatics (Elsevier)*, 102324.
7. Farhaduzzaman, A.M., Khan, M.S., Hasan, M., Islam, R., Osman, M.H., Shovon, M.N.H., Haider, S.M.B., Kunda, M., Islam, M.T., **Bhuyan, M.S.** (2023). Seaweed Culture, Post-Harvest Processing, and Market Generation for Employment of Coastal Poor Communities in Cox's Bazar. *Journal of Applied Life Sciences and Environment*, 56: 231-244.
8. **Bhuyan, M.S.**, Haider, S.M.B., Kundu, M., Husain, S.K.A., Chowdhury, E. (2023). Challenges in Cultivation of Seaweed: A Recent Experience from RezuKhal, Cox's Bazar Coast, Bangladesh. *Journal of Oceanography & Marine Environmental System*, 7: 01-09.
9. Yacoubi, L., El Zrelli, R. B., Hsu, H. H., Lin, Y. J., Savoca, D., Gopalan, J., **Bhuyan, M.S.**, & Rabaoui, L. J. (2023). Bioaccumulation of trace elements and hydrocarbons in chondrichthyans of the western Arabian Gulf: Environmental and human health risk assessment and implications for conservation. *Science of The Total Environment (Elsevier)*, 165990.
10. **Bhuyan, M. S.**, Haider, S. M. B., Meraj, G., Bakar, M. A., Islam, M. T., Kunda, M., ... & Bhat, M. A. (2023). Assessment of Heavy Metal Contamination in Beach Sediments of Eastern St. Martin's Island, Bangladesh: Implications for Environmental and Human Health Risks. *Water*, 15(13), 2494.
11. Iheanacho, S., Ogbu, M., **Bhuyan, M.S.**, Ogunji, J. (2023). Microplastic pollution: An emerging contaminant in aquaculture. *Aquaculture and Fisheries (Elsevier)*.
12. Iheanacho, S., Ogbu, M., Ekpeyoung, J., Tabi, E., Iheanacho, A., **Bhuyan, M. S.**, & Ogunji, J. (2023). COVID-19 Waste as Source of Microplastics in the Environment: Implication for Aquatic Species, Human, and Remediation Measures-A Review. *Pollution*, 9(2), 591-614.
13. **Bhuyan, M. S.** (2023). Ecological risks associated with seaweed cultivation and identifying risk minimization approaches. *Algal Research (Elsevier)*, 102967.
14. Elzain, H. E., Chung, S. Y., Venkatramanan, S., Selvam, S., Ahemd, H. A., Seo, Y. K., **Bhuyan, M. S.** & Yassin, M. A. (2023). Novel machine learning algorithms to predict the groundwater vulnerability index to nitrate pollution at two levels of modeling. *Chemosphere (Elsevier)*, 137671.
15. **Bhuyan, M.S.**, Haider, S.M.B., Das, M.K., Mojumder, I.A., Das, M., & Islam, M.T. 2023. Identifying Threats and Reduction Measures of Emerging Plastic Pollution, *The Journal of NOAMI*, 37(1-2):103-121.

16. Mustary, S., Odlyha, M., Alam, A., Hosen, M. A., & **Bhuyan, M.S.** (2023). Synthesis and Characterization of Biocomposite Films of Methylcellulose-Based with Nanocellulose. *Biointerface Research in Applied Chemistry*, 13: 1-23.
17. Ali, M. M., Ali, M. L., Rakib, M. R. J., Islam, M. S., **Bhuyan, M. S.**, Senapathi, V., & Rahman, M. Z. (2022). Seasonal behavior and accumulation of some toxic metals in commercial fishes from Kirtankhola tidal river of Bangladesh—A health risk taxation. *Chemosphere (Elsevier)*, 134660.
18. Mandol, S., **Bhuyan, M. S.**, Islam, M. N., Altrin, J. A., Al-Imran, M., Islam, M. T., ... & Karthikeyan, S. (2022). Granulometric and geomorphological characteristics of Rezu Khal canal, Bangladesh: Inferences for sustainable ecosystem and management. *Acta Ecologica Sinica (Elsevier)*.
19. Bat, L., Öztekin, A., Arici, E., Şahin, F., **Bhuyan, M.S.** (2022). Trace Element Risk Assessment for the Consumption of *Sarda sarda* (Bloch, 1793) from the mid-South Black Sea Coastline. *Water Air Soil Pollution (Springer)*, 233:441.
20. **Bhuyan, M.S.** 2022. Effects of Microplastics on Fish and in Human Health. *Frontiers in Environmental Science*, 250.
21. Venkatramanan, S., Chung, S.Y., Selvam, S., Sivakumar, K., Soundhariya, G.R., Elzain, H.E., **Bhuyan, M.S.** (2022). Characteristics of microplastics in the beach sediments of Marina tourist beach, Chennai, India. *Marine Pollution Bulletin (Elsevier)*, 176, 113409.
22. Kubra, K., Mondol, A.H., Ali, M.M., Palash, M., Ullah, A., Islam, M., Islam, A.R.M., **Bhuyan, M.S.**, Ahmed, A.S. and Rahman, M. (2022). Pollution level of trace metals (As, Pb, Cr and Cd) in the sediment of Rupsha River, Bangladesh: assessment of ecological and human health risks. *Frontiers in Environmental Science*, 1260.
23. Ali, M. M., Ali, M. L., **Bhuyan, M.S.**, Islam, M., Rahman, M., Alam, M., & Mustary, S. (2022). Spatiotemporal variation and toxicity of trace metals in commercially important fish of the tidal Pasur River in Bangladesh. *Environmental Science and Pollution Research (Springer)*, 1-15.
24. Ali, M.M., Islam, M.S., Islam, A.R.M.T., **Bhuyan, M.S.**, Ahmed, A.S.S., Rahman, M.Z., Rahman, M.M. (2022). Toxic metal pollution and ecological risk assessment in water and sediment at ship breaking sites in the Bay of Bengal Coast, Bangladesh. *Marine Pollution Bulletin (Elsevier)*, 175: 113274.
25. Bat, L., Şahin, F., **Bhuyan, M.S.**, Arici, E., Öztekin, A. (2022). Metals in wild and cultured *Dicentrarchus labrax* (Linnaeus, 1758) from fish markets in Sinop: Consumer's health risk assessment. *Biological Trace Element Research (Springer)*. 1-9.
26. **Bhuyan, M.S.**, Husain, S.K.A., Chowdhury, E., Bat, L. (2022). Assessment of Carbon Sequestration Capacity of Seaweed in Climate Change Mitigation. *Journal of Climate Change*, 8: 1-8.

27. Bhuiyan, N. Z., Hossain, M. B., Ali, M. M., Habib, A., **Bhuiyan, M. S.**, & Arai, T. (2022). Seasonal variation of trace elements in water and sediment of the Turag and Balu Rivers, Bangladesh. *Egyptian Journal of Aquatic Biology & Fisheries*, 26(3): 513–540.
28. Bat, L., Arici, E., **Bhuiyan, M. S.**, Öztekin, A., & Şahin, F. (2022). Assessment of toxic and essential elements in muscles of *Sparus aurata* with special reference to impacts on human health. *Madridge Journal of Aquaculture Research & Development*, 3(1): 43-48.
29. Alam, M., **Bhuiyan, M.S.**, & Xiangmin, X. (2021). Protecting the Environment from Marine Pollution in Bangladesh: A Brief in Legal Aspects with Response to National and International Cooperation's. *Thalassas: An International Journal of Marine Sciences (Springer)*, 37: 871–881.
30. Hoque, M.E., Islam, M., Karmakar, S., Rahman, M.A., **Bhuiyan, M.S.** (2021). Sediment organic matter and physicochemical properties of a multipurpose artificial lake to assess catchment land use: a case study of Kaptai lake, Bangladesh. *Environmental Challenges (Elsevier)*, 3: 100070.
31. **Bhuiyan, M.S.**, Venkatramanan, S., Selvam, S., Szabo, S., Hossain, M.M., Rashed-Un-Nabi, M., Paramasivam C.R., Jonathan M.P., Islam, M.S. (2021). Plastics in marine ecosystem: A review of their sources and pollution conduits. *Regional Studies in Marine Science (Elsevier)*, 41: 101539.
32. Islam, M.M., Hoq, M.E., Ali, M.Z., Hasan, S.J., Sharif, A.S.M., **Bhuiyan, M.S.** (2020). Diversity and occurrence of seaweeds from the south-eastern coast of Bangladesh. *Indian Journal of Geo Marine Science*, 49: 1-10.
33. **Bhuiyan, M.S.**, Bakar, M.A., Nabi, M.R.N., Senapathi, V., Sang Yong Chung, S.Y., Islam, M.S. (2019). Monitoring assessment of heavy metal contamination in surface water and sediment of the Old Brahmaputra River, Bangladesh. *Applied Water Science (Springer)*, 9: 1-13.
34. **Bhuiyan, M.S.**, Bakar, M.A., Sharif, A.B.M., Hasan, M., Islam, M.A. (2018). Water Quality Assessment Using Water Quality Indicators and Multivariate Analyses of the Old Brahmaputra River. *Pollution*, 4: 481-493.
35. **Bhuiyan, M.S.**, Bakar, M.A., Akhtar, A., Hossain, M.B., Ali, M.M., Islam, M.S. (2017). Heavy Metal Contamination in Surface Water and Sediment of the Meghna River, Bangladesh. *Environmental Nanotechnology, Monitoring & Management (Elsevier)*, 8: 273-279.
36. **Bhuiyan, M.S.**, Bakar, M.A. (2017). Seasonal variation of heavy metals in water and sediments in the Halda River, Chittagong, Bangladesh. *Environmental Science and Pollution Research (Springer)*, 35: 27587-27600.
37. **Bhuiyan, M.S.**, Bakar, A. (2017). Assessment water quality in Halda River (the Major Carp Breeding Ground) of Bangladesh. *Pollution (University of Tehran)* 3: 429-441.

Book Publications

1. **Bhuyan, M.S.**, Sharif, A.S.M., Islam, M.T., Un Nabi, M.R., Kunda, M., Rashid, T. (2024). Pictorial Dictionary of Seaweed. Publisher: Bangladesh Oceanographic Research Institute.
2. **Bhuyan, M.S.** (2023). Experimental cultivation of seaweed on the Cox's Bazar Coast, Bangladesh. Publisher: Bangladesh Marine Fisheries Association.
3. Haider, S.M.B., Islam, M.T., **Bhuyan, M.S.**, Rabaoui, L. J., Abroguena, J.B.R., Atiya, M.S.H., Sharif, A.S.M., Un Nabi, M.R., Tomascik, T. (2023). Corals of St. Martin's Island, Bangladesh. Publisher: Bangladesh Oceanographic Research Institute.
4. **Bhuyan, M.S.**, Nabi, M.R.N., Islam, M.S. (2017). Heavy Metals Profile in River, Lambert Publishing House, Germany. 156p. ISBN: 978-620-2-08167-2.
5. **Bhuyan, M.S.**, Akhtar, A., Islam, M.S. (2016). Effects of Industrialization on Fish and Fishing Community. Scholar press, Germany. 104p. ISBN: 978-3-659-84546-8.

Book Chapters

1. **Bhuyan, M.S.**, Islam, M.N., Ali, M.M., Un-Nabi, M.R., Alam, M.W., Das, M., Roy, R., Dash, M.K., Mojumder, I.A., Mustary, S. (2022). Blue economy prospect, opportunities, challenges, risks, and sustainable development pathways in Bangladesh. Routledge Publisher (In press).
2. **Bhuyan, M.S.**, Islam, M., Sharif, A. S. M., & Hoq, M. (2021). Seaweed: A Powerful Tool for Climate Change Mitigation That Provides Various Ecological Services. Bangladesh II: Climate Change Impacts, Mitigation and Adaptation in Developing Countries, 159-192. Springer publication.
3. Sarkar, M.S.I., **Bhuyan, M.S.**, Mia, M.M., Uddin, M.R., Roy, R. (2020). Assessing Heavy Metal and Nutrients Contents in the Pore Water of Salt Marsh Bed (*Porteresia Coarctata*), Karnafully River Coast, Bangladesh. Environmental Pollution and Climate Change, p. 45-61. ISBN: 978-93-88854-30-6.

PhD Thesis Title (Ongoing)

Seaweed growth status along with pollutants, nutritional profile and ecological role of cultivated seaweed in the Cox's Bazar coast.

MSc Thesis Title

Effects of Industrialization on Fish and Fishing Community in the Vicinity of the Meghna River at Narsingdi Sadar Upazilla.

Seminar Proceedings

1. Know the Horseshoe Crabs, Save the Horseshoe Crabs
2. Know the Jellyfish, Harness the Ocean Resource

Television Interview

1. Talk on “Blue Economy & prospect of Seaweed in Bangladesh” (Sopno Agamir, BTV Interview)

Popular News

1. সাগরে তিন প্রজাতির নতুন সি-উইড
2. সামুদ্রিক শৈবালের খোঁজে সাগরের তলদেশে
3. Metal Pollution Is a Foregone Conclusion of Haphazard Industrialization that Accelerate Human Health Problem, 2016, Science Publishing Group, USA.
4. High metal pollution at the Old Brahmaputra River
5. খাদ্য চাহিদা পূরণ করবে ‘সি-উইড’
6. সেন্টমার্টিন দ্বীপে দূষণের কারণ অপরিকল্পিত পর্যটন
7. The Ocean: Life and Livelihoods
8. Plastic pollution in marine environment
9. সী-উইডঃ বাংলাদেশে সুনীল অর্থনীতির সম্ভাবনাময় খাত
10. বাংলাদেশে সামুদ্রিক শৈবাল চাষের অর্থনৈতিক গুরুত্ব
11. শৈবাল চাষঃ অর্থনীতির নতুন চাকা
12. শৈবাল চাষঃ অর্থনীতির নতুন চাকা
13. কক্সবাজার উপকূলে বাড়ছে সামুদ্রিক শৈবাল চাষ
14. শৈবাল চাষঃ অর্থনীতির নতুন চাকা
15. সামুদ্রিক শৈবালের বাষ্পার ফলন, হুমড়ি খেয়ে পড়ছে বিভিন্ন কোম্পানি!
16. সামুদ্রিক শৈবালের চাষ ও গুরুত্ব /Cultivation and importance of seaweed
17. শৈবাল চাষ অর্থনীতির নতুন চাকা
18. শৈবাল চাষ: সৃষ্টি হচ্ছে নতুন আয়ের পথ
19. সামুদ্রিক মাছের উপর চাপ কমাতে শৈবাল চাষের বিকল্প নেই
20. জেলিফিশ: সুনীল অর্থনীতির সম্ভাবনাময় খাত
21. সামুদ্রিক শৈবাল চাষ, সুনীল অর্থনীতির সম্ভাবনাময় খাত
22. ১৭৭ প্রজাতির সামুদ্রিক শৈবাল শনাক্ত
23. রেজু খালে পরীক্ষামূলক শৈবাল চাষে সাফল্য
24. পরীক্ষামূলক শৈবাল চাষে সাফল্য, সম্ভাবনার দুয়ার খুলল রপ্তানিতে

Television News

- শৈবাল: মূল্যবান সামুদ্রিক সম্পদ [প্রকাশক: Somoy TV]
- কক্সবাজারে সৈকতের উপকূলে চাষ হচ্ছে শৈবাল [প্রকাশক: Ananda TV]
- বছরে সাড়ে ৬০০ কোটি ডলারের শৈবাল বিক্রি [প্রকাশক: এখন টিভি]
- সুনীল অর্থনীতিতে নতুন সম্ভাবনা সামুদ্রিক শৈবাল [প্রকাশক: News24]

Projects

Project Title	Position	Responsibility	Year
1. Study on the biology, ecology, nutritional, and contaminants status of Mudskippers (Fishes out of water)	Principal Investigator	Sample collection, preservation, identification, analysis, reporting, publication	2023-2024
2. Occurrence and Consequences of Micro-Plastics over the Marine Fisheries Community in the South East Coast of Bangladesh	Co-investigator	Sample collection, preservation, identification, analysis, reporting, publication	2023-2024
3. “Development of seaweed farming and processing as a sustainable coastal management method” funded by Department of Fisheries.	Principal Investigator	Site selection, culture, processing, analysis, reporting, publication	2022-2023
4. “Experimental Cultivation of Seaweed on the Cox’s Bazar Coast, Bangladesh (2 nd Phase)”. Funded by Business Promotion Council (BPC), Ministry of Commerce, Bangladesh.	Project Director	Culture site develop, culture, analysis, reporting.	2022-2023
5. “Experimental Cultivation of Seaweed on the Cox’s Bazar Coast, Bangladesh”. Funded by Business Promotion Council (BPC), Ministry of Commerce, Bangladesh.	Project Director	Culture site develop, culture, analysis, reporting.	2021-2022
6. “Ecological services and environmental risks associated with seaweed cultivation at Cox’s Bazar coast, Bangladesh”. Funded by Bangladesh Fisheries Research Institute (BFRI).	Co-investigator	Culture site develop, culture, sample collection, field and lab analysis, data analysis, and reporting.	2020-2021
7. “Occurrence and distribution of Corals around the St. Martin’s Island, Bangladesh.” Funded by Ministry of Science and Technology, Bangladesh.	Co-investigator	Diving, sample photography, identification and reporting	2019-2020

8. "Study on seaweed Biochemical composition with references to physico-chemical parameters of water and bottom sediment and continuation of taxonomic identification, around St. Martin Island, Bangladesh". Funded by Bangladesh Oceanographic Research Institute.	Co-investigator	Sampling (Seaweed, Water & Bottom sediment), Determination of physico-chemical parameters, seaweed identification, Data management, processing and analysis (using software), reporting.	2019-2020
9. "Potential Nutritional Evaluation of 20 seaweeds, experimental extraction of phycocolloids from 3 seaweeds available around St. Martin's Island and continuation of taxonomic baseline study." Funded by Bangladesh Oceanographic Research Institute.	Co-investigator	Sampling (Seaweed, Water & Bottom sediment), Determination of physico-chemical parameters, seaweed identification, Data management, processing and analysis (using software), and reporting.	2018-19
10. "Report on Livelihood status of egg collector and Egg collection in the Halda River". Funded by IDF-PKSF.	Research Associate	Sampling (questionnaire survey), Data analysis (using software), processing and reporting.	2017
11. "Assessment of Benthic Population in the Halda river". Funded by United Nation Development Project (UNDP).	Research Associate	Sampling (benthos and water), Lab analysis (sorting, identification and reporting), Data management and analysis (using software).	2017
12. "Biodiversity assessment of Rezu Khal in Cox's Bazar district towards sustainable management of the natural resources of this coastal lagoon". Financed by the Ministry of Science and Technology, Bangladesh.	Research Associate	Sampling, mollusk identification, data analysis (using software) and reporting.	2015-16

13. "Gangetic River dolphin, macro-benthic fauna and fish community in the project influence area of the proposed Karnaphuli container terminal (KCT) of Chittagong port, Bangladesh". Funded by Asian Development Bank (ADB).	Research Associate	Sampling (bottom soil sampling), dolphin sighting, questionnaire survey, Data analysis using software, and reporting.	2017
14. "Detection of some health hazard substances in commercially important coastal molluscan species of Bangladesh for their acceptability in the local and international market". Funded by Ministry of Science and Technology, Bangladesh.	Research Associate	Sampling, Lab analysis heavy metal analysis at BCSIR, Data analysis (using software), reporting.	2014-15

Conferences & Seminars

Conference/ seminar	Organizer	From	To	Organizing country
The Role of BORI Research and Plan in the development of Blue Economy	BORI	6 March 2024		Bangladesh
Blue Economy: Funding Prospects in Capital Market	BORI	2 February 2024		Bangladesh
International Conference on Oceanography	BORI	27 January 2024	28 January 2024	Bangladesh
Seminar on Commitment to provide services	BORI	23 December 2023		Bangladesh
Role of Jellyfish in Blue Economy: Bangladesh Perspective	BORI	3 November 2023		Bangladesh

Exploring the Depths: Unveiling the Potential of Marine Resources from the Bay of Bengal	BORI & BSMRMU	10 September 2023		Bangladesh
50 Years of Marine Science Education and Research in Bangladesh	BORI & Chittagong University	11 February 2023		Bangladesh
BCSIR Congress	BCSIR	01 December 2022	03 December 2022	Bangladesh
5 th Young Scientist Congress	Bangladesh Academy of Science	25 November 2022	27 November 2022	Bangladesh
Know the Jellyfish, Harness the Ocean Resource	Bangladesh Oceanographic Research Institute	3 November 2022		Bangladesh
2nd International Conference on Sustainable Fisheries (ICSF)	Sylhet Agricultural University	16 September 2022	18 September 2022	Bangladesh
Seaweed: Aquatic food solutions for people, climate and oceans	WorldFish	28 June 2022		Bangladesh
9th Biennial Fisheries Conference and Research Fair	Bangladesh Fisheries Research Forum (BFRF), Bangladesh Agricultural Research Council (BARC), Farmgate, Dhaka.	28 May 2022	29 May 2022	Bangladesh
Seaweed & Green Mussel Farming and Blue Food Festival	WorldFish, Cox's Bazar		19 March, 2022	Bangladesh

Ocean literacy: a strategy to raise the ocean awareness for the conservation, restoration and sustainable use of our ocean	Bangladesh Oceanographic Research Institute, Cox's Bazar	12 January 2022		Bangladesh
Awareness Campaign for Seaweed Production and Utilization in Bangladesh	SMAP Project Implementation Unit, Bangladesh Bank, Cox's Bazar	29 February 2020		Bangladesh
4 th Young Scientist Congress	Bangladesh Academy of Sciences, Dhaka	13 December 2019	15 December 2019	Bangladesh
"8th Biennial Fisheries Conference and	Bangladesh Fisheries Research Forum (BFRF), Bangladesh	30 March 2019	31 March 2019	Bangladesh
"Gobeshona 4, Building Local Climate Knowledge"	International Centre for Climate Change and Development (ICCAD), Independent University, Bangladesh (IUB), Dhaka.	8 January 2018	11 January 2018	Bangladesh
"1st International Conference on Environmental Science and Resource Management"	Mawlana Bhashani Science and Technology University, Tangail.	8 February 2018		Bangladesh
"7th Biannual Fisheries Conference & Research Fair"	Bangladesh Fisheries Research Forum (BFRF), Bangladesh Agricultural Research Council (BARC), Farmgate, Dhaka.	29 October 2016	30 October 2016	Bangladesh

Workshops

Workshop name	Organizer	Time	Venue
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Capacity Building for Conducting Adaptive Trials on Seaweed Cultivation in Coastal	Bangladesh Agricultural Research Institute	7 October	Hotel Golden Hill, Cox's Bazar
Marine Fisheries in Blue Economy: Research Achievement and Potentiality	Bangladesh Fisheries Research Institute	22 February 2023	BFRI Campus
Sustainable Waste Management System Development in St. Martin's Island	UNDP	12-17 October 2022	St. Martin's Island
Stakeholder Consultation Workshop on Environment, Environment, Biodiversity Conservation and Eco-Friendly Tourism Development of St. Martin Island	Department of Environment	29 October 2022	Ocean Paradise Hotel, Cox's Bazar
Revitalization of Black Tiger Shrimp: Positioning Bagda as a Premium Natural Tiger Shrimp in the international Market	Ministry of Commerce	25 July 2022	Conference Room, Ministry of Commerce, Dhaka
Prospect of Tuna fish in the Blue Economy development in Bangladesh	Department of Fisheries	12 June 2022	Matshya Bhaban, Dhaka
Policy workshop on commercial production of seabass. Prospects for Bangladesh and sharing of lessons from regional best practices	Fishery Product Business Promotion Council and Bangladesh Shrimp and Fish Foundation	15 May 2022	Conference Room, CIRDAP, Dhaka
Experimental Cultivation of Seaweed on Cox's Bazar Coast	Bangladesh Marine Fisheries Association	22 March, 2022	BORI Seminar Hall, Cox's Bazar
Seaweed based products production and popularization	Bangladesh Fisheries Research Institute	12 February, 2022	Seagull Hotel, Cox's Bazar

Annual research progress (2019-20), review and planning (2020-21)	Bangladesh Fisheries Research Institute	11-12 October, 2020	Bangladesh Agricultural Research Council (BARC), Dhaka
“Seaweed culture in Cox’s Bazar Coast: Prospect and measures”	Bangladesh Fisheries Research Institute	27 May, 2019	Cox’s Bazar, Bangladesh
“Disease prevention and health management in Crustacean culture”	Collaboration with USDA funded Winrock SAFETI project	25 April 2019	Cox’s Bazar, Bangladesh
“Self-Assessment and Quality Assurance Process in Marine Science and Fisheries Education and Research”	Institute of marine sciences & fisheries, University of Chittagong, Bangladesh	1 December 2015	Institute of marine sciences & fisheries, University of Chittagong, Bangladesh
“Eco-engineering for coastal defense and food production”	IMARES Wageningen University, the Netherlands and institute of marine sciences & fisheries, University of Chittagong	15 November 2012	Institute of marine sciences & fisheries, University of Chittagong, Bangladesh

Trainings

Training name	From	To	Tenure	Institute & address
MIKE 3 and MIKE 21	21 August 2023	29 August 2023	10 Days	BORI, Cox’s Bazar
Ecosystem Approach to Fisheries Management	11 February 2023	15 February 2023	5 Days	BRAC Learning Centre, Chittagong
Management of PPL (Parent Post Larvae) rearing for successful SPF broodstock production		12 March 2022	1 Day	SHAB, Cox’s Bazar
Indoor and outdoor culture of important species of phytoplankton		13 March 2022	1 Day	SHAB, Cox’s Bazar

Seaweed culture in Bangladesh coast: Present status and potential	27 June, 2020	29 June, 2020	3 days	BFRI, Cox's Bazar
Basic on Coral Taxonomy (Online)	12.06.2020		1 Day	ARBLab SAU
Discovery and Use of Operational Ocean Data Products and Services	1 July, 2019	5 July, 2019	5 days	INCOIS, India
Statistical Package for the Social Sciences (SPSS)	September, 2019	October, 2019	1 month	Department of Statistics, University of Dhaka
Geographic Information System (GIS)	April 15, 2017	May 26, 2017	41 days	Department of Geography and Environment, University of Dhaka

Memberships

1. Life Member: Bangladesh Fisheries Research Forum (BFRF).
2. Member of Ocean Expert.
3. National Young Academy of Bangladesh.
4. Science Diplomacy and Leadership Working Group.
5. National Oceanographic and Maritime Institute (NOAMI).
6. South Asian Meteorological Association (SAMA).
7. Safe Seaweed Coalition.

Awards

1. Scholarship to attend the "Sustainability Research and Innovation 2021 Congress" provided by the Institut de Recherche pour le Développement (the French National Research Institute for Sustainable Development).
2. Scholarship to attend a training course on "Discovery and Use of Operational Ocean Data Products and Services" training which was held in Hyderabad, India during 1-5 July 2019.
3. Scholarship to attend a training course on "Discovery and Use of Operational Ocean Data Products and Services" training which was held in Kuala Terengganu, Malaysia during 22 - 26 September 2019.
4. Travel Grant to attend the 3rd ACSTM & 6th ACSE Annual Conference, 12-14 February 2019 in Dubai, UAE.
5. National Science and Technology (NST) Fellowship, 2016-17.
6. Best poster paper award in 1st International Conference on Environmental Science and Resource Management, organized by Mawlana Bhashani Science and Technology University, Tangail.
7. Junior School Certificate (JSC) Scholarship-2004.
8. Narsingdi District Govt. Scholarship-2007 for obtaining (A+) in Secondary

School Certificate (SSC).

Ocean Diver

Got log book from Bangladesh Navy.

Research Cruise

EKAMSAT Scientific Cruise in the Arabian Sea onboard Sagar Nidhi (SN178) from 28 June to 24 July 2023.

Reviewer

1. Chemosphere (Publisher: Elsevier, IF: 5.108)
2. Marine Pollution Bulletin (Publisher: Elsevier, IF: 3.782)
3. RSC Advances (Publisher: The Royal Society of Chemistry, IF: 3.049)
4. Environmental Science and Pollution Research (Publisher: Springer, IF: 2.914)
5. Environmental Earth Sciences (Publisher: Springer, IF: 1.765)
6. Arabian Journal of Geosciences (Publisher: Springer, IF: 1.141)
7. Applied Water Science (Publisher: Springer, IF:)
8. Turkish Journal of Fisheries and Aquatic Sciences (Publisher: Central Fisheries Research Institute, IF: 0.738)
9. Pollution (Publisher: University of Tehran, IF:)
10. Journal of Global Ecology and Environment (Publisher: International Knowledge Press, IF:)
11. Journal of Scientific Research (Publisher: Rajshahi University, IF:)