

Dr. Md. Mazharul Islam is a Senior instructor (Navigation) of Nautical Science at the Marine Fisheries Academy, Chittagong, under the Ministry of Fisheries and Livestock, Bangladesh. He earned a PhD (Doctor of Science) in Marine Science (Marine Affairs) from Xiamen University, China, under the supervision of Professor Dr. Minggang Cai. His research field at Xiamen University was microplastics pollution in marine environments. He completed a Master Degree of Business Administration Major in Human Resource Management from Southeast University, Dhaka, an L.L.B. from National University, and a Diploma in Homeopathic Medicine and Surgery (DHMS) from Bangladesh Homeopathic Board. Dr. Islam is also a registered physician of the homeopathic medical system. Dr. Islam also completed a Diploma in International Conventions and Maritime Law (ICML) and Diploma in Celestial Navigation. He served as a navigation officer of various levels in many deep-sea going commercial fishing vessels and foreign-going trading vessels for more than ten years after completing his Pre-Sea Cadet training and Bachelor's degree in Nautical from the Marine Fisheries Academy. After his maritime life, he joined the Marine Fisheries Academy as an Instructor of Nautical Studies in 2013. His areas of specialization are nautical studies, environmental pollution, marine fisheries, coastal management, maritime law, astronomy, alternative medicine (the homeopathic medical system), among others. He has published numerous papers in international journals on microplastics pollution, heavy metal pollution, environmental issues, marine fisheries, and alternatives medicines.



Besides, he contributes to peer-reviewed international journals of the International Journal of Theory and Application in Elementary and Secondary School Education (IJTESE), the Research Synergy Foundation, and the Indian Journal of Integrative Medicines (MANSHA Publishers). During seafaring, Dr. Mazhar traveled to many countries, including Iran, UAE, India, Thailand, China, and Singapore. He also participated in many professional courses in Bangladesh and abroad. Hanging out with stars and constellations in the dark

universe is his hobby. In his professional service, Mr. Mazhar teaches maritime, shipping, astronomy, environment, and law-related courses. Among those, he has a special and unique interest in Celestial Navigation, Ocean and Offshore Navigation, Coastal Navigation and Chart Work, Safety and Leadership, Environmental Pollution, Research Methodology, and Maritime law courses. Dr. M. Islam guides students of B.Sc. (Hons.) in Nautical Studies, Marine Fisheries, and Marine Engineering in their dissertation or thesis work. He has published eBook chapters in reputed books registered with an ISBN. His total job experience is 24 years. Dr. Md. Mazharul Islam came as the last child of Late Dr. Musleh Uddin Munshi and Late Meherun Nesa on 10 October 1981 in Syed Gram (Munshi Vari), Muktagachha, Mymensingh. His motto is to be a perfect scholar & mentor by sharing knowledge for building a peaceful and prosperous green world. He got married to Seuly Akonjee in 2005. Mr. and Mrs. Mazhar are blessed with three sons named Zenith (2006), Zesan (2010), and Zarif (2018).

Research Articles

1. Tanzil, T., **Islam, M***, & Bani, M. (2026). Cardio-renal and metabolic comorbidity clusters in High-Risk diabetic patients selected for ankle block anesthesia: A Retrospective Correlational analysis. *International Journal of Anesthesia and Clinical Medicine.*, 14(2), 115–126. <https://doi.org/10.11648/j.ijacm.20261402.11>
2. Sarkar, J., Sultana, S., **Islam, M.**, & Islam, S. (2026). The potential applications of shrimp wastes: Developing value-added products to enhance their nutritional profiles and flavour. *International Journal of Nutrition and Food Sciences*, 15(4), 143–158. <https://doi.org/10.11648/j.ijnfs.20261504.11>
3. Das, R., Pandit, D., Saifullah, M. K., Arafat, S. T., Hasnat, S., Khan, A., Shormi, T. A., Somapto, M. S. H., **Islam, M. M.**, & Hoque, M. S. (2026). Spatial and vertical distribution of microplastics and associated environmental risks in coastal sediments of Kuakata Beach, Bay of Bengal, Bangladesh. *Journal of Hazardous Materials Advances*, 22, 101243. <https://doi.org/10.1016/j.hazadv.2026.101243>
4. Shamim, M. a. H., Wang, J., Hossain, K. B., Rayhan, A. S., **Islam, M. M.**, Chen, K., Ke, H., Zheng, X., Wang, C., Chen, D., & Cai, M. (2025). Integrated analysis of microplastics origins and impact on prominent aquaculture ecosystems in Bangladesh. *The Science of the Total Environment*, 977, 179334. <https://doi.org/10.1016/j.scitotenv.2025.179334>
5. **Islam, M. M.**, Rayhan, A. S., Wang, J., Shamim, M. a. H., Ke, H., Wang, C., Zheng, X., Chen, D., & Cai, M. (2025). Tracing microplastics in marine fish: Ecological threats and human exposure in the Bay of Bengal. *The Science of the Total Environment*, 963, 178462. <https://doi.org/10.1016/j.scitotenv.2025.178462>
6. **Islam, M. M.**, Wang, J., Rayhan, A. B. M. S., Wang, J., Nahian, S. A., Shi, J., Chen, B., Ke, H., Wang, C., & Cai, M. (2024). Assessment of spatial distribution, sources, and ecological risks of microplastics in the estuarine and coastal regions of the northern Bay of Bengal. *Journal of Oceanology and Limnology*, 43(2), 474–491. <https://doi.org/10.1007/s00343-024-4098-5>
7. Rayhan, A. B. M. S., Wang, J., **Islam, M. M.**, Hossain, K. B., Chen, B., Ke, H., & Cai, M. (2024). Tidal variability and microplastics distribution: source analysis in Dongshan Bay beach sediments, South China. *Journal of Oceanology and Limnology*, 43(2), 459–473. <https://doi.org/10.1007/s00343-024-4089-6>
8. Das, R., Faruque, M. H., Sakib, S., Ahmad, M. T., Seba, R. N., Zahid, M. A., Yeasmin, M. N., & **Islam, M. M.** (2024). Assessing the vulnerability of Elasmobranch species in the Bay of Bengal: Insights from Lakkha gill net fishery of Bangladesh. *Heliyon*, 10(17), e37331. <https://doi.org/10.1016/j.heliyon.2024.e37331>
9. Mohiuddin, K., Akram, M. N., **Islam, M. M.**, Shormi, M. E., & Wang, X. (2024). Exploring the trends of research: a bibliometric analysis of global ship emission estimation

- practices. *Journal of Ocean Engineering and Marine Energy*, 10(4), 963–985.
<https://doi.org/10.1007/s40722-024-00341-1>
10. Barua, P., **Islam, M. M.**, & Mitra, A. (2023). Accumulation of Heavy Metals in Associated Irrigated Water, Soil and Production of Tomato around the Export Processing Zone of Bangladesh. *Asian Journal of Water Environment and Pollution*, 20(4), 61.
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<https://doi.org/10.17576/mjas-2019-2302-14>
 12. Sultana, S., **Islam, M. M.**, & Alam, M. M. (2020). An approach to open a new arena for blue growth of Bangladesh by mud crab (*Scylla serrata*) fishery from the Karnafuli River estuary, Chattogram; Bangladesh. *Int. J. Fish. Aquat. Stud*, 8(2), 249-257.
 13. Barua, P., **Islam, M.**, & Mitra, A. (2022). Socio-economic condition of the indigenous fishermen in and around an artificial lake for Bangladesh. *MOJ Eco Environ Sci*, 7(5), 162-169.
 14. Barua, P., **Islam, M.**, & Mitra, A. (2022). Developing a sustainable coastal aquaculture value chain for the rural communities of Bangladesh. *IUP Journal of Supply Chain Management*, 19(1), 7-44.
 15. Barua, P., Mitra, A., & **Islam, M.** (2023). Effect of salinity intrusion on sediments in paddy fields and farmers' adaptation initiative: a case study. In *Global agricultural production: resilience to climate change* (pp. 587-609). Cham: Springer International Publishing.
 16. Barua, P., & **Islam, M.** (2022). Applicability of water reuse through the treatment process of biofilter in freshwater prawn hatchery of Bangladesh. *International Journal of Water Research*, 4(3), 136-145.
 17. Chowdhury, A. K., **Islam, M. M.***, Rasel, N. E. A., & Alfaro Cordero, L. M. (2024). Clinical Efficacy of Homeopathy in the Treatment of Simple Kidney Cysts. *Indian Journal of Integrative Medicine*, 4(4), 148-152.
 18. **Islam, M. M*.**, & Chowdhury, A. K. (2023). Magic Efficacy of Pulsatilla to treat Polycystic Ovarian Syndrome. *Indian Journal of Integrative Medicine*, 3(3), 82-86.
 19. **Islam, M. M*.**, Chowdhury, A. K., Ismail, M. R., & Nargis, A. (2022). Efficacy of Homeopathic Medicines to treat Covid-19 diseases. *Indian J Intgr Med*, 2(5), 58-63.

Research Grants

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