

Amir Hossain



Personal Information

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About me

I am currently pursuing a Master's degree in Aquatic Tropical Ecology at the University of Bremen, Germany. I have in-depth knowledge of aquaculture, fisheries science and ecology: subject at master's and undergraduate level. My current research concerns the stress response of the European seabass, *Dicentrarchus labrax*, on metabolism and health. I am now searching for fully funded PhD opportunities in the research field.

Area of interest: marine aquaculture, Stress physiology, fish health management, aquatic ecology, marine debris, biodiversity conservation.

Summary

Approximately 2.5 years of experience as an aquaculture specialist in freshwater farming specializing in fish health management. A natural leader and a professional negotiator, dedicated to excellence, interested in a PhD role. I have Excellent verbal and written communication skills in English.

Skill Highlights

- Aquaculture
- Lab and field work
- Report preparation
- Fish health management
- Farm Management
- Working in the field
- IT Communication
- Staff management

Experience

Aquaculture Advisor - 10/2016 to 06/2019

Advanced Chemical Industries Limited (ACI), Bangladesh

- Conduct employee training programs on features and benefits of new & existing products and service
- Evaluate quality of materials or aquaculture products
- Provide technical services to the farmers instantly
- Monitor environments to ensure maintenance of optimum conditions for aquatic life
- Monitor facilities or operational systems
- Coordinate the selection and maintenance of brood stock
- Disease management, disease diagnosis, Feed Management
- Organize a meeting to educate farmers on aquaculture technology
- Monitor sales against targets and set appropriate plans to meet sales budget

Data Enumerator of research project -10/05/2016 to 30/10/ 2016

Funded by International Food Policy Research Institute(IFPRI)

Project Entitled: Contact Farming as a Market Linking Institution for High Value Food Products: case of Dairy, Poultry and Vegetables Contract Farming in Bangladesh

Education

- ❖ Master of Science (M.Sc.): **International Studies in Aquatic Tropical Ecology** - 2021
University of Bremen, Germany
- ❖ Master of Science: (M.Sc.): **Fisheries Biology and Genetics** – 2016
Bangladesh Agricultural University, Bangladesh
- ❖ Bachelor of Science (B.Sc.): **Fisheries and Marine Science** - 2013
Noakhali Science and Technology University, Bangladesh

Awards and Honors

- **German Academic Exchange Service (DAAD) Fellowship**, 2019-2021, Germany
- **NDHU Southward (PhD) Fellowship**, 2019, Taiwan (Not Joined)
- **National Science & Technology (NST) Fellowship**-2015-2016, Bangladesh
- **Social Fund Trust (SFT) Fellowship**, 2008, Bangladesh

Languages

- English – C1
- German – A2
- Bangla- Native

Software

- R
- ArcGIS,
- Ocean Data view,
- Ecopath and Ecosim
- Microsoft office

Hobbies

- Writing
- Photography
- Debate
- Traveling

Extracurricular

- Debates
- Volunteering
- Organiser
- Class representative
- Fundraising
- Campus reporter

Training and Conference certifications

- Innovative Strategies to Control Parasites in Aquaculture Farms
- Mycotoxins in Aquaculture: A Global Perspective (Phibro Animal Health)
- Biosecurity in Aquaculture: Small Steps, Big Results (Phibro Animal Health)
- Let Food be thy Medicine – Feeding Strategies to maintain and Improve Fish Gut Health in a More Sustainable Aquaculture(Phibro Animal Health)
- Feeding Strategies to Maintain and Improve Fish Gut Health in a more Sustainable Aquaculture (Phibro Animal Health)
- Remote Sensing of Coastal Ecosystems (NASA AREST)
- Using the UN Biodiversity Lab to Support National Conservation and Sustainable Development Goals (NASA AREST)
- Using Earth Observations to Monitor Water Budgets for River Basin Management II (NASA AREST)
- Research Methodology

Online courses

- Diploma in Ecology Studies (Alison)
- Biology -Genes and Gene Technology (Alison)
- Healthy Fish- training Programme (Project funded the Erasmus+ *programme*)
- Marine Protected Areas (UNDP)
- Climate Change and Health (iversity)
- Ocean Science in Action: Addressing Marine Ecosystems and Food Security in the Western Indian Ocean (FutureLearn)

Project

Research assistant of Dr. Mohammad Belal Hossain who discovers a new species of nephtyid polychaete, *Nephtys bangladeshi n. sp.*, from Bangladesh coastal waters in 2016. This was the first report of a new polychaete species in Bangladesh.

Thesis Project

- ✚ **Masters:** Stress response of European seabass, *Dicentrarchus labrax* on metabolism and health
- ✚ **Masters:** Fish fermentation in Lalpur, Brahmanbaria district: ecological implication and value chain analysi
- ✚ **Bachelor:** Temporal variation of macrobenthos communities in fresh water tilapia (*Oreochromis niloticus*) farms

Memberships

- American Fisheries Society
- European Aquaculture Society
- Krishibid Institution Bangladesh
- Bangladesh Fisheries Research Forum

Publication

- Hossain, A.**, M. A. R. Hossain, A. A. Asif, S. Ahmed and A. Satter. 2017. Fish fermentation in Lalpur, Brahmanbaria district: ecological implication and value chain analysis. *Asian Australas. J. Biosci. Biotechnol.*, **2(2)**:159-172.
- Faruk, A., **A. Hossain**, A. A. Asif, M. N. M. Bhuiyan and M. J. Sarker. 2018. Culture and management techniques of Vietnamese Koi. *Asian Australas. J. Biosci. Biotechnol.*, **3 (2)**: 93-105.
- Hossain M. D., **A. Hossain**, H. Rahman, M. Rahman, A. A. Asif, M. M. Billah and M. A. I. Mondal. 2018. Marketing channels of mud crab (*Scylla serrata*) at Nijhum Dwip, Noakhali, Bangladesh: A value chain analysis. *Journal of Entomology and Zoology Studies*, **6(5)**: 521-527.
- Sharmin A., M. M. Rahman, A. Faruk, M. N. M. Bhuiyan, **A. Hossain** and A. A. Asif. 2018. Qualitative and quantitative analysis of phytoplankton in culture pond of Noakhali district, Bangladesh. *International Journal of Fisheries and Aquatic Studies* **6(4)**: 371-375.
- Adhikary Ripon Kumar, S. Kar, A. Faruk, **A. Hossain**, M. N. M. Bhuiyan and A. A. Asif. 2018. Contribution of aquaculture on livelihood development of fish farmer at Noakhali, Bangladesh. *Asian Australas. J. Biosci. Biotechnol.*, **3 (2)**: 106-121.
- Haq, M. E., M. Rahman, **A. Hossain**, A. A. Asif, H. Rahman, P. Chwakovorty, A. Satter and M. S. Islam. 2017. Comparative growth performance between monosex and natural XY male tilapia in Noakhali region, Bangladesh. *Asian J. Med. Biol. Res.*, **3(3)**: 391-397, doi:10.3329/ajmbr.v3i3.34529.
- Islam, M. A., A. A. Asif, M. A. Samad, B. Sarker, M. Ahmed, A. Satter and **A. Hossain**. 2017. A comparative study on fish biodiversity with conservation measures of the Bhairab river, Jessore, Bangladesh. *Asian J. Med. Biol. Res.*, **3(3)**:357-367, doi: 10.3329/ajmbr.v3i3.34526.
- Rahman, H., J. A. Mirza, **A. Hossain**, A. A. Asif, M. E. Haq, P. Chwakovorty and M. Rahman. 2017. Economics of fish production in paddy fields in Bangladesh. *Asian J. Med. Biol. Res.*, **3(3)**: 379-390, doi:10.3329/ajmbr.v3i3.34528.
- Islam, D., S.M. Rahmatullah, M. Ahmed, A. A. Asif, A. Satter, B. Sarker, **A. Hossain**, and S. Mojumder. 2017. Aquatic weeds diversity of Bangladesh Agricultural University Campus, Mymensingh, Bangladesh. *Asian Australas. J. Biosci. Biotechnol.*, **2(2)**:181-192.
- Neowajh, M. S., M. M. Rashid, A. A. Asif, M. A. Zafar and **A. Hossain**. 2017. Effects of chemotherapeutics against experimentally injured stinging catfish *Heteropneustes fossilis*. *Asian J. Med. Biol. Res.*, **3(4)**: 476-487; doi:10.3329/ajmbr.v3i4.35338.
- Shajib, M. S. H., B. Sarker, A. A. Asif, M. M. Rahman, M. A. Zafar and **A. Hossain**. 2017. Effects of stocking density on the growth rate of gold fish fry reared in hapa. *Asian J. Med. Biol. Res.*, **3(4)**: 504-515; doi:10.3329/ajmbr.v3i4.35342.
- Apon, A. H., **Hossain, A.**, Islam, S., & Rahman, H. Impact of Stocking Common Carp (*Cyprinus Carpio*) on Production in Some Selected Beels in Gazipur District, Bangladesh.
- Chwakovorty, P., Paul, P., **Hossain, A.**, Islam, S., Rahman, M., & Al Asif, A. (2019). Post-harvest handling and quality loss of Indian major carps in the distribution channel of Noakhali district, Bangladesh. *Research & Reviews: A Journal of Bioinformatics*, *6(1)*, 9-19.
- Ullah, M. A., Naeem, M. A., **Hossain, A.**, Al-Asif, A., & Hasan, M. R. (2020). Categorization and Distribution of Aqua-Chemicals used in Coastal Farming of South-Eastern Part of Bangladesh. *J Aquac Res Development*, *11(11)*.
- Islam, M. D., Rahmatullah, S. M., Ahmed, M., Asif, A. A., Satter, A., Sarker, B., **A. Hossain** & Mojumder, S. (2017). Aquatic weeds diversity of Bangladesh Agricultural University Campus, Mymensingh, Bangladesh. *Asian-Australasian Journal of Bioscience and Biotechnology*, *2*, 181-192.