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EDUCATION

MS in Fish Health Management	Department of Fish Health Management, Sylhet Agricultural University, Sylhet, Bangladesh	2012-2014
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Bachelor of Science in Fisheries	Faculty of Fisheries, Sylhet Agricultural University Sylhet, Bangladesh	2008-2011

PROFESSIONAL EXPERIENCES

12/2018 - Current	**Assistant Professor** Department of Aquatic Animal Health Management, Faculty of Fisheries & Marine Science, Sher-e-Bangla Agricultural University Sher-e-Bangla Nagar, Dhaka-1207, Bangladesh
10/2015 - 12/2018	**Assistant Professor** Department of Fish Health Management, Faculty of Fisheries Sylhet Agricultural University, Sylhet-3100, Bangladesh
10/2013 - 10/2015	**Lecturer** Department of Fish Health Management, Faculty of Fisheries Sylhet Agricultural University, Sylhet-3100, Bangladesh

PUBLICATIONS

1. **Bari S.M.,** Fuad M., Hossain M.J., Ahammad I., Begum M., Helal M.M.U. 2025. Transcriptomic Insights into Heat and Hypoxia Stress in Rainbow Trout: A Meta-Analysis of Public RNA-Seq Data. BMC Genomics. https://doi.org/10.21203/rs.3.rs-6710656/v1 (***In Review***)
2. Hossain M.J., Rasin J.H., Altaib H., Shyama I.J., Shawon R.A.R., Badr Y., Sohidullah M., Sakyi M.E., **Bari S.M.**, Iqbal M.M., Rahman M.M. 2025. Prevalence and antibiotic resistance patterns of *Vibrio cholerae* isolated from diverse food sources in Khulna, Bangladesh. Food and Humanity. Food and Humanity. 100653. https://doi.org/10.1016/j.foohum.2025.100653
3. **Bari S.M.,** Ahammad I., Bhattacharjee A., and Sahabuddin A.M. 2025. Whole genome sequence data of *Aeromonas diversa* SAU1 isolated from Tilapia (*Oreochromis niloticus*). Data in Brief. 111396. DOI: 10.1016/j.dib.2025.111396
4. **Bari S.M.**, Marma M., Reja N.B., Hossain A., Ahmed SK.F., Rayhan, N., Islam M.S., Hossain M.A., Raman M.M., and Alom M.S. 2024. In-silico identification of Indian gooseberry (*Emblica officinalis*) compounds inhibiting thermolabile hemolysin from *Vibrio alginolyticus* in Shrimp. Current Computer-Aided Drug Design. 21 (2). DOI: 10.2174/0115734099342492250120114644
5. Jahan F., Rahman M.H., Ahammad B., Khandaker M., Rahman M.Z., Rasel M., Nafis R., Shaila A. **Bari S.M.**, Chandra M.B. 2025. *Argulus japonicus*: A concerning health issue for *Channa punctata* collected from south-western Bangladesh. Veterinary Medicine and Science. 11(2). 11:e70250. DOI: 10.1002/vms3.70250
6. **Bari S.M.**, Reza N.B., Marma M., Ahmed SK.F., Hossain M.A., Jabed M.N., Hossain M.A., Monzoor M., and Alom M.S. 2025. Computational analysis of *Allium sativum* compounds to identify thermolabile hemolysin inhibitors against *Vibrio alginolyticus* in Shrimp. Journal of Advanced Biotechnology and Experimental Therapeutics. 8(1): 01-20. DOI: 10.5455/jabet.2025.01
7. **Bari S.M.,** Islam M.M., Amina A., Khatun M.M., and Sahabuddin A.M. 2024. Molecular identification, histopathology, and antibiotic susceptibility profiling of *Aeromonas veronii* isolated from *Oreochromis niloticus* in Bangladesh. Veterinary Medicine and Science, 10(6): e70103. DOI: 10.1002/vms3.70103
8. **Bari S.M.,** Rahman M.M., Amina A., Nadia Z.M., Shawon R.A.R., Rahman M.M., Masum M.M. and Habib K.A. 2024. Morphological and molecular identification of *Euclinostomum heterostomum* (Trematoda:

Clinostomidae) from spotted snakehead *Channa punctata* in Bangladesh. Systematic Parasitology. 101:62. DOI: 10.1007/s11230-024-10175-y

9. **Bari S.M**., Hassan M.N., Ahmed K.T., Islam M.M., Mahmud M.N., Razzak M.A., Hossain M., and Ahammad B. 2024. Aqua drugs and chemicals used in commercial aquaculture in Mymensingh Division, Bangladesh. Archives of Agriculture and Environmental Science. 9(2): 280-288. https://doi.org/10.26832/24566632.2024.0902011
10. **Bari S.M.,** Hossen M.I., Islam M.R., and Helal. M.M.U. (2024). Genome-wide identification and characterization of Interleukin-18 gene family in Rainbow trout (*Oncorhynchus mykiss*). Journal of Advanced Biotechnology and Experimental Therapeutics. 7(2): 275-289. DOI: 10.5455/jabet.2024.d23
11. Hossen M.I., Mostafa F., Jahan N., Ferdaus J., Albahi A., and **Bari S.M**. 2024. In silico structural and functional annotation of hypothetical protein from *Fusobacterium nucleatum* strain MJR7757B. Computational Molecular Bioscience. 14(1):17-33. DOI: 10.4236/cmb.2024.141002
12. Hossen, M. K., **Bari S.M.**, Barman, P.P., Roy, R., and Das, P.K. (2022). Application of python-OpenCV to detect contour of shapes and color of a real image. International Journal of Novel Research in Computer Science and Software Engineering. 9(1): 20-25. DOI: 10.5281/zenodo.6576264
13. Deb, A., Samanta Chandan, C.S., Roy, P., Hossain, M.I., **Bari, S.M**. (2021). Inland aquaculture and fish health management: a case study of Sylhet district in Bangladesh. Aquaculture Studies. 21: 129-137. DOI: 10.4194/2618-6381-v21_3_05
14. Goni O., Alam M.M.M., Khalil S.M.I., and **Bari S.M.**, Hamom A., Parven M. and Mamun M.A.A. (2019). Identification of pathogenic bacteria from diseased stringing catfish *Heteropneustis fossilis* with their sensitivity to antibiotics. International Journal of Fisheries and Aquatic Studies. 8(1): 291-301. E-ISSN: 2347-5129
15. Mamun M.A.A., Nasren S. and **Bari S.M.** (2018). Role of probiotics in aquaculture: importance and future guidelines. Journal of Bangladesh Academy of Sciences. 42(1): 105-109. DOI: https://doi.org/10.3329/jbas.v42i1.37837
16. Islam M.S., Alam M.M.M., **Bari S.M.**, Mamun M.A.A., Ahammad B. 2018. Parasitic infestation in *Clarias batrachus* in haor region of north-eastern Bangladesh. International Journal of Fisheries and Aquaculture. 6(1):97-101. ISSN: 2347-5129
17. Das, H., Alam, M.M.M., **Bari, S.M.**, Mamun, M.A., Das, M., Chowdhury, N.K., and Islam, M.S. 2018. Parasitic infestation in *Channa punctatus* at Sylhet in Bangladesh. Journal of Fisheries and Life Sciences. 3(2): 1-8. ISSN: 2456-6268
18. Ahammad B., Khandaker M., Hossain M.I., Mamun M.A.A., Khalil S.M.I. Mita F.A., **Bari S.M.**, Alam M.M.M. and Moniruzzaman M. 2017. Assessment of fish diversity in Shatghari point of Surma river, Golapgonj, Sylhet, Bangladesh. International Journal of Fisheries and Aquatic Studies. 5(5): 205-211. ISSN: 2347-5129
19. Mamun M.A.A., **Bari S.M**., Das H., Islam S., Iqbal M.M., and Nasren S. 2016. Parasitic infestation in *Channa punctatus* (Bloch 1793) collected from Lala Bazar fish market, Sylhet, Bangladesh. International Journal of Natural Science. 6(1): 49-53. ISSN: 2221-1020
20. **Bari S.M.**, Mamun M.A.A., Khalil S.M.I., Islam M.J., Baten M.A. and Hossain M.M. 2015. Seasonal variation in population dynamics of helminth parasites in *Clarias batrachus* from natural wetland of Sylhet, Bangladesh. International Journal of Natural Science. 5(2): 86-89. ISSN: 2221-1020
21. Rahman M.M., Alam M.M.M., Khalil S.M.I., **Bari S.M.** and Rashid M.M. (2015). Status of chemicals and aqua drugs used in freshwater aquaculture in north-eastern Bangladesh. Journal of Sylhet Agricultural University. 2(2): 243-252. ISSN: 2308-1597
22. **Bari S.M.**, Mamun M.A.A, Khalil, S.M.I., Hossain M.M., Marine S.S., and Hossain M.M. 2014. Seasonal variation and effects of helminth infestation on *Clarias batrachus* (Linnaeus 1957) from the haor basin of Sylhet region of Bangladesh. Journal of Sylhet Agricultural University. 1(2): 231-237. ISSN: 2308-1597
23. Khalil S.M.I., Mamun M.A.A., **Bari S.M.** and Haque M.N. 2014. Endoparasitic infestation in *Channa punctatus* collected from different water bodies of Sylhet. Journal of Sylhet Agricultural University. 1: 59-64. ISSN: 2308-1597
24. Hossain M.M., Ahmed G.U., Ferdous, M.J., Khalil S.M.I., **Bari S.M.**, Hassan M.M. and Gosh K. 2014. Seasonal variation of clinicopathological changes of a farmed exotic carp *Hypophthelmichthys molitrix* from north-eastern region Bangladesh. Annals of Veterinary and Animal Science. 1(3): 122-135. ISSN: 2312-9123

RESEARCH EXPERIENCES

01/25-30/25 **Aquaculture Expert,** Market assessment study for coastal and marine aquaculture in Bangladesh. Fund from Asia - Africa BlueTech Superhighway (AABS) project, WorldFish Bangladesh

01/24 -06/25 **Project Investigator,** Molecular characterization and antibiotic resistance profiling of shrimp acute hepatopancreatic necrosis disease (AHPND) causing *Vibrio parahaemolyticus* from the southwestern shrimp farms of Bangladesh. Fund from Research & Development Project, Ministry of Science and Technology (MOST), Bangladesh

07/24-06/25 **Project Investigator,** Morphometric and molecular identification of helminth parasites isolated from freshwater snakeheads (*Channa* spp.) in Bangladesh, Sher-e-Bangla Agricultural University Research System (SAURES), Sher-e-Bangla Agricultural University

07/23-06/24 **Project Investigator,** Morphological and molecular identification of helminth parasites collected from commercial cultured fish catfishes in Bangladesh. Fund from Research & Development Project, Ministry of Science and Technology (MOST), Bangladesh

07/21-06/22 **Project Investigator,** Isolation, identification, and prevalence of parasites from Dhaleshwari River, Bangladesh. Fund from Research & Development Project, Ministry of Science and Technology (MOST), Bangladesh

01/21-12/23 **Co-Project Investigator,** Development of locally engineered low-cost recirculating aquaculture system (RAS) in Bangladesh. Fund from Krishi Gobeshona Foundation (KGF), Bangladesh

07/20-06/21 **Project Investigator,** GIS modelling of potential aquacultural sites in Dhaka Division. Fund from Research & Development Project, Ministry of Science and Technology (MOST), Bangladesh

07/17-06/18 **Project Investigator,** Identification of pathogenic bacteria from diseased stringing catfish *Heteropneustis fossilis* with their sensitivity to antibiotics. Fund from Sylhet Agricultural University Research System, Sylhet Agricultural University, Sylhet, Bangladesh

07/15-06/16 **Project Investigator,** Present status of fish diseases and their impact on the different aquacultural farms in Sylhet division. Fund from Sylhet Agricultural University Research System, Sylhet Agricultural University, Sylhet, Bangladesh

07/14-06/15 **Project Investigator,** Effect of parasitism on the growth of *Heteropneustes fosillis.* Fund from Research & Development Project, Ministry of Science & Technology (MOST), Bangladesh

07/11-06/13 **Research Assistant,** Prevalence and seasonal variation of fish parasites in *Clarias batrachus.* Fund from Sylhet Agricultural University Research System, SAU, Bangladesh

PROFESSIONAL MEMBERSHIP

- Member, Bangladesh Fisheries Research Forum (BFRF), Dhaka, Bangladesh
- Member, Zoological Society of Bangladesh (ZSB), Bangladesh
- Member, Bangladesh Society of Microbiologists (BSM)
- Member, American Society of Microbiology (ASM)
- Member, European Association of Fish Pathologists (EAFP)
- Member, Krishibid Institute Bangladesh (KIB), Bangladesh
- Member, Sylhet Agricultural University Alumni Association, Sylhet, Bangladesh