

Curriculum Vitae



Personal information

First name(s) / Surname(s) **Mohammad Shamsur RAHMAN, PhD**
Address **Associate Professor
Aquaculture Branch, Department of Fisheries
University of Dhaka, Dhaka-1000, BANGLADESH**
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Nationality Bangladeshi
Date of birth 01 June 1979

Research Interests **Aquaculture and Aquatic Animal Health Management**

especially Fish & Shrimp Diseases: Diagnostics, Prevention and Control; Application of Biotechnology, Molecular Biology, Bioinformatics in Health Management; Aquatic Animal Production in RAS (Recirculating Aquaculture Systems).

Work experiences

10 June 2015 to date **Associate Professor**
Department of Fisheries, University of Dhaka, Dhaka-1000, Bangladesh

17 February 2013 to 09 June 2015 **Assistant Professor**
Department of Fisheries, University of Dhaka, Dhaka-1000, Bangladesh

26 November 2008 to 16 February 2013 **Lecturer**, Department of Fisheries, University of Dhaka, Dhaka-1000, Bangladesh

01 September 2008 - 25 November 2008 **Lecturer**, Department of Fisheries and Marine Science
Noakhali Science & Technology University, 3802 Noakhali, Bangladesh

15 October 2006 - 31 August 2008 **Senior Research Assistant**, Environmental Microbiology Laboratory, International Centre for Diarrhoeal Disease Research, Bangladesh (ICDDR,B), 1212 Dhaka, Bangladesh

Education

01 January 2010 to 03 April 2013 **Doctor of Philosophy (PhD)** (PhD Research Project: "**Molecular Characterization of *Vibrio* spp. in Shellfish using Multilocus Sequence Analysis**")
Public Health & Comparative Pathology Curricula, Doctoral School of Veterinary Sciences, University of Padova, 35020 Padova, **Italy**

01 July 2002 - 30 June 2003 **Master of Science (MS) in Fisheries** (Thesis Group: "**Incidence of *Vibrio cholerae* in freshwater fishes of Bangladesh**")
Department of Fisheries, Faculty of Biological Sciences, University of Dhaka
1000 Dhaka (Bangladesh)

01 July 1998 - 30 June 2002 **Bachelor of Science (BSc) with Honours in Fisheries** (Internship: "**Short-Term Preservation by Gamma Radiation and Some Aspects of Biochemical Composition of *Puntius sarana* (Ham., 1822)**")
Department of Fisheries, Faculty of Biological Sciences, University of Dhaka
1000 Dhaka (Bangladesh)

Training

- 25 February-01 March 2019 Advanced course on “**Application of Epidemiology in Aquatic Animal Health**”, Mediterranean Agronomic Institute of Zaragoza, **Spain** in collaboration with MedAid Project, EU Horizon 2020
- 16-30 October 2018 **EURASTiP Educator Capacity Building Exchange Programme**, Laboratory of Aquaculture and Artemia Reference Center, University of Ghent, **Belgium**
- 05-14 March 2018 “**Advanced Training on Biotechnology**” organized by National Institute of Biotechnology (NIB), Dhaka-1349, Bangladesh
- 27-30 October 2017 Short course on “**Project Management: Computer-based approach**” organized by Directorate of continuing education (DCE), Bangladesh University of Engineering and Technology (BUET)
- 26 -27 September 2017 Training on **TiLV RT-PCR: Building Capacity on Aquatic Animal Disease Diagnostics in Bangladesh**
WorldFish and BFRI, Bangladesh; conducted by Dr Agus Sunarto, CSIRO health and biosecurity, Australian Animal Health Laboratory (AAHL).
- 29 July to 02 August 2017 **Application of Molecular Diagnostic Methods for shrimp and prawn**
SAFETI Project and Farmer-to-Farmer program, Winrock International; conducted by Dr Arun K Dhar, Director of Aquaculture Pathology Laboratory, UAZ, USA.
- 19 July to 20 July 2017 **Basic molecular biological steps of Bacterial identification**
Invent Technologies Ltd. Bangladesh
- 27 February to 17 March 2017 **Responsible aquaculture development for food security and economic progress**
Centre for Development Innovation (CDI), Wageningen University & Research, The Netherlands
- 01 to 03 June 2016 **Train-the –Trainer course on “Seafood Hazard Analysis Critical Control Point (HACCP)”**
Bangladesh Shrimp and Fish Foundation (BSFF) in collaboration with Joint Institute for Food Safety and Applied Nutrition (JIFSAN), University of Maryland, USA
- 8 to 12 May 2016 **Quality management and value addition in Fish and Shrimp processing in Bangladesh**
Bangladesh Shrimp and Fish Foundation (BSFF) in collaboration with The United Nations University Fisheries Training Programme; and Matis Food Research and Biotechnology Laboratories, Iceland
- 30 November to 17 December 2015 **Statistical Data Analysis for Biological Sciences using R**
Institute of Statistical Research and Training (ISRT) under HEQEP project (CP 3236), University of Dhaka, Bangladesh
- 22 September to 01 October 2014 **Experimental techniques using Medaka and Xenopus-the merits of using both**
The 8th NIBB/The 3rd NIBB-TLL-DBS/NUS Joint International Practical course on Genome editing, National Institute for Basic Biology, Okazaki, Japan
- (09 to 11) September 2014 **Cell Culture techniques to encourage intracellular growth of virus for research purpose**
Strategies in reducing the burden of influenza infections in slum, Dhaka, Bangladesh (CP 2212, HEQEP), Department of Microbiology, University of Dhaka, Bangladesh
- 07 September 2014 **Workshop on “Isolation and identification of influenza virus”**
Strategies in reducing the burden of influenza infections in slum, Dhaka, Bangladesh (CP 2212, HEQEP), Department of Microbiology, University of Dhaka, Bangladesh

- (22 to 28) December 2013 **Training Course “Data Analysis (SPSS)”**
Faunal Survey and Enrichment of Facilities for Biodiversity Research Sub-Project, University of Dhaka, Bangladesh
- (17 to 21) November 2013 **Training Course “Bioinformatics for Biological Research”**
Faunal Survey and Enrichment of Facilities for Biodiversity Research Sub-Project, University of Dhaka, Bangladesh
- (01 to 04) October 2013 **Training Course “DNA Barcoding: A tool for molecular taxonomy”**
Faunal Survey and Enrichment of Facilities for Biodiversity Research Sub-Project, University of Dhaka, Bangladesh
- (03 to 07) October 2011 **Theoretical and Practical Course “ Advanced Bioinformatics: Computational Systems Biology”**
International Centre for Genetic Engineering and Biotechnology (ICGEB), Trieste, Italy
- (25 to 29) August 2010 **PhD Pre-Course “ Advanced Food Microbiology” 4 ECTS credits**
University of Copenhagen, Denmark
- 10 May to 02 July 2009 **“ Foundation Training for University Teachers”**
Graduate Training Institute (GTI), Bangladesh Agricultural University

Additional information

A. Publications

37. Hossain, MM, NJ Punom, MME Eshik, MK Begum, MAI Bhuiyan and **M.S. Rahman**. 2019. Histopathology and molecular characterization of microsporidian parasites in cultured shrimp *Penaeus monodon* of Bangladesh. Manuscript submitted to the journal of the Asiatic society of Bangladesh (Science).
36. Begum, MA, NJ Punom, MME Eshik, MK Begum, T Khan, ML Saha and **M.S. Rahman**. 2019. Pathogenic gut microbiota associated with striped catfish, *Pangasianodon hypophthalmus* (sauvage, 1878) cultured in Bangladesh and their antibiotic sensitivity pattern. Manuscript submitted to Dhaka University journal of Biological Sciences.
35. Begum, MA, NJ Punom, MME Eshik, MK Begum, ML Saha and **M.S. Rahman**. 2019. Proximate composition, fatty acid and amino acid profile of striped catfish, *Pangasianodon hypophthalmus* (Sauvage, 1878) cultured in Bangladesh. Bioresearch Communications. vol. 5 (2): 715-724
34. Rana, S, Faruque MH, Eshik MME, Hasan MR, **MS Rahman**. 2019. Seasonal variations in nutritional profile of the freshwater mud eel, *Monopterus albus* (Hamilton, 1822). Journal of Fisheries. DOI: 10.17017/jfish.v7i1.2019.327
33. Begum, MK, MME Eshik, NJ Punom, MM Abedin and **M.S. Rahman**. 2018. Growth performances and bacterial load of *Heteropneustes fossilis* (Bloch, 1794) using cinnamon as feed supplement. Bangladesh J. Zool. **46** (2): 155-166
32. Eshik, MME, NJ Punom, MK Begum, T Khan, ML Saha and **M.S. Rahman**. 2018. Molecular characterization of Acute Hepatopancreatic necrosis disease (AHPND) causing *Vibrio parahaemolyticus* strains in cultured shrimp *Penaeus monodon* in south-west farming region of Bangladesh. Dhaka University journal of Biological Sciences 27(1): 57-68
31. **Rahman, M.S.**, R. Carraro, B. Cardazzo, L. Carraro, D.B. Meneguolo, M.E. Martino, N.A. Andreani, P. Bordin, R. Mioni, E. Novelli, S. Balzan and L. Fasolato. 2017. Molecular typing of *Vibrio parahaemolyticus* strains isolated from mollusks in the North Adriatic Sea. Foodborne pathogens and disease 14 (8): 454-464. Online ahead of print, 17 May 2017. <https://doi.org/10.1089/fpd.2016.2263>
30. Hasan, M.A.R., M.I. Haque, A. Hossain, M. Hasan and **M.S. Rahman**. 2017. Bacterial loads in shrimp and fish hatchery environments of Bangladesh. J. Asiat. Soc. Bangladesh, Sci. 43 (1): 37-47
29. Smriti, S., T. Islam, M.K. Begum, N.J. Punom, S. Mitra, A. Hossain, R.H. Sarker and **M.S. Rahman**. 2017. Fraudulence

detection in fish marketing of Bangladesh using DNA barcoding. Journal of Bangladesh Academy of Sciences. 41 (1): 17-27

28. Eshik, MME, MM Abedin, NJ Punom, MK Begum and **M.S. Rahman**. 2017. Molecular identification of AHPND positive *Vibrio parahaemolyticus* causing an outbreak in south-west shrimp farming regions of Bangladesh. Journal of Bangladesh Academy of Sciences. 41 (2): 127-135

27. Islam, M.R., M.R. Hassan, M. Begum, N.J. Punom, M.K. Begum, N. Sultana and **M.S. Rahman**. 2017. Effects of feeding zooplankton, *Moina macrocopa* (Straus, 1820) on the growth and body composition of Nile tilapia *Oreochromis niloticus* L. Bangladesh J. Sci. Ind. Res. 52 (2): 127-134

26. Hossain, M.A., A. Ganguly, S.M.A. Rahman, A. Hossain, M. Hasan and **M.S. Rahman**. 2016. Amino acid profile of the gelatin extracted from the scales of catla, rohu, grass carp and their mixed type. Bangladesh J. Zool. 44 (2): 185-195

25. Hasan, M.A.R., M.A. Siddique, M. Hasan, M.A. Hossain and **M.S. Rahman**. 2017. 16S rRNA gene sequence based identification of *Vibrio* spp. in shrimp and tilapia hatcheries of Bangladesh. Dhaka Univ. J. Biol. Sci. 26 (1): 45-58

24. Hossain, M.B., N. Sultana, P. Noor, S. Khan, S.A. Lisa, M. Begum, N.J. Punom, M.K. Begum, M.R. Hasan and **M.S. Rahman**. 2017. Growth performances and fatty acid profile of Nile tilapia *Oreochromis niloticus* (Linnaeus, 1758) fed with different phytoplankton. Dhaka Univ. J. Biol. Sci. 26 (1): 13-27

23. Kabir, M.A., **M.S. Rahman**, M. Begum and M.H. Faruque. 2017. Genetic diversity by RAPD in four populations of Rohu *Labeo rohita*. Croatian Journal of Fisheries 75: 1-9

22. Hossain, M.I., B. Saha, M. Begum, N.J. Punom, M.K. Begum and **M.S. Rahman**. 2016. Bioaccumulation of heavy metals in Nile tilapia *Oreochromis niloticus* (Linnaeus 1758) fed with commercial feeds. Bangladesh Journal of Scientific Research. 29 (2): 89-99

21. Sarder, H., T. Khan, M.L. Saha, N.J. Punom, S.C. Mandal and **M.S. Rahman**. 2016. Prevalence and antibiotic susceptibility of *Aeromonas hydrophila* isolated from freshwater fishes. Journal of Fisheries 4(3): 411-419. DOI: 10.17017/jfish.v4i3.2016.177

20. Punom, N.J., A.K.M.M. Hasan, W. Haque, M.K. Begum and **M.S. Rahman**. 2016. 16S rRNA sequence based identification of pathogenic gut microbiota of Rohu *Labeo rohita* (Hamilton-Buchanan 1822) and Silver Carp *Hypophthalmichthys molitrix* (Valenciennes 1844). Dhaka Univ. J. Biol. Sci. 25(2): 169-184

19. Hossain, M.J., A. Hossain, S.C. Mandal and **M.S. Rahman**. 2016. Impact of live tubificid worms on the growth and survival of *Heteropneustes fossilis* (Bloch, 1794) reared in tanks. Bangladesh J. Sci. Ind. Res. 51(3): 175-182

18. Rohomania, T., M.L. Saha, A. Hossain and **M.S. Rahman**. 2015 (June-December). Morphological and Biochemical Characterization of Bacteria isolated from fresh and salted Hilsa, *Tenualosa ilisha* (Hamilton, 1822). Bangladesh J. Microbiol. 32 (1&2): 07-13

17. Haque, M.M., A. Hossain, S.C. Mandal, **M.S. Rahman** and Z.H. Mahmud. 2015 (July). Prevalence, characterization and antibiotic susceptibility of *Vibrio parahaemolyticus* isolated from fishes and shellfishes of coastal regions of Bangladesh. Dhaka Univ J Biol Sci. 24(2): 121-129

16. Husain, M.A., A. Hossain, S.C. Mandal, M.A. Kabir and **M.S. Rahman**. 2015 (January). Optimization of feeding frequency on the growth performance of thai pangas, *Pangasius hypophthalmus* (Sauvage, 1878). Dhaka Univ J Biol Sci. 24(1): 83-90

15. Rohomania, T., M.L. Saha, A. Hossain, S.C. Mandal and **M.S. Rahman**. 2014. Microbial and proximate composition of fresh and salted hilsa, *Tenualosa ilisha*. Bangladesh J Zool. 42(2): 235-244

14. Kabir, M.A., **M.S. Rahman**, A. Hossain and S.C. Mandal. 2014. Proximate composition and microbial quality of three imported aquarium fish feeds in Bangladesh. Bangladesh J Zool. 42(2): 291-302

13. **Rahman, M.S.**, M.E. Martino, B. Cardazzo, P. Facco, P. Bordin, R. Mioni, E. Novelli and L. Fasolato. 2014. *Vibrio* trends in the ecology of the Venice lagoon. *Appl. Environ. Microbiol.* 80(8): 2372-2380

12. Rabbane, M.G., **M.S. Rahman** and A. Hossain, 2013. Role of maternal cortisol hormone on gene regulation of Zebra fish

(*Danio rerio*, F. Hamilton, 1822). Dhaka Univ. J. Biol. Sci. 22 (2): 135-144

11. Mandal, S. C., M. Hasan, **M.S. Rahman**, M. H. Manik, Z. H. Mahmud and M. S. Islam. 2012. Prevalence and characterization of *Vibrio vulnificus* in Nile tilapia, *Oreochromis niloticus* (Linnaeus). Int. j. ecotoxicol. agric. technol 2 (1): 101-112
10. Quaiyum, M. A., M. M. Rahman, B. S. Sarkar, M. M. Alam, N. S. Khan, M. S. Rahman and R. Siddiqui. 2012. Microbiological quality assessment of Chapila (*Gudusia chapra*) and Tengra (*Mystus vittatus*) in Bangladesh. S. J. Microbiol. 2 (1): 6-9
9. Rahman, M.M., **M.S. Rahman** and M. Hasan. 2011. Changes in sperm quality of silver (*Hypophthalmichthys molitrix*) and bighead carps (*Hypophthalmichthys nobilis*) during the spawning season. Asian Fisheries Sciences 24: 413-425
8. Rahman, M.M., **M.S. Rahman**, A. Hossain and M. Hasan. 2011. Seminal Plasma composition and their physiological relationship with spermatozoa motility in silver carp *Hypophthalmichthys molitrix*. World Journal of Fish and Marine Sciences 3(3): 194-200
7. Hossain, A., **M.S. Rahman** and M. Hasan. 2011. Optimum harvest for sustainable yield of fish live food Tubificid Worms. Dhaka Univ. J. Biol. Sci. 20(1): 57-63.
6. **Rahman, M.S.**, M. Hasan, Z. H. Mahmud and M. S. Islam. 2010. Bacterial load in twelve freshwater Fishes of four feeding habits in Bangladesh. Dhaka Univ. J. Biol. Sci. 19(2): 145-150.
5. Hossain, A., S.C. Mandal, **M.S. Rahman**, M.M. Rahman and M. Hasan. 2010. Microbiological Quality of Processed Frozen Black Tiger Shrimps in Fish Processing Plant. World Journal of Fish and Marine Sciences 2 (2): 124-128
4. Parvin, H., M.H. Uddin, H. Khanum, M.S. Islam, M.A. Matin, **M.S. Rahman**, H.P. Endtz, A. Cravioto and M.S. Islam. 2010. Prevalence of Helminths in a lake of Dhaka city, Bangladesh. Bangladesh J. Zool. 38(1): 31-39
3. Sarker, B. S., M. Hasan, **M.S. Rahman** and A.F.M.A. Rahman. 2009. Non-Conventional fishery by-products of fish markets in Dhaka Metropolis, Bangladesh. Asia-Pacific Journal of Rural Development. Vol.XIX. No.2: 57-72.
2. Mandal, S. C., M. Hasan, **M.S. Rahman**, M. H. Manik, Z. H. Mahmud and M. S. Islam. 2009. Coliform Bacteria in Nile Tilapia, *Oreochromis niloticus* of Shrimp-Gher, Pond and Fish Market. World Journal of Fish and Marine Sciences 1 (3): 160-166
1. **Rahman, M.S.**, M. Hasan, Z. H. Mahmud and M. S. Islam. 2009. Incidence of *Vibrio cholerae* in twelve freshwater fishes in fish markets of Dhaka Metropolitan City, Bangladesh. Bangladesh J. Zool. 37(1): 113-121.

Proceedings full paper

3. Haque, MI, MA Siddique, SK Sanyal, A Hossain, SP Nandi, **MS Rahman**, M Sultana, M Hasan and MA Hossain. 2017. Incidence of white spot syndrome virus (WSSV) in cultured shrimp of coastal region in south-west Bangladesh. Proceedings of the 14th ASCO 2017 of CVASU. pp. 25-29
2. Mandal, S. C., M. Hasan, M. H. Manik, **M.S. Rahman**, A. Hossain, Z. H. Mahmud and M. S. Islam. 2010. Survival of *Vibrio cholerae* O1 in the gut of climbing perch, silver carp and silver barb. Proceedings of the 5th Bangladesh-Japan joint international conference on Food, Health and Environment; Dhaka, Bangladesh, 26-28 December 2010
1. Manik, M. H., M. Hasan, S. C. Mandal, **M.S. Rahman**, Z. H. Mahmud and M. S. Islam. 2010. Prevalence and characterization of *Escherichia coli* from export quality frozen fishes. Proceedings of the 5th Bangladesh-Japan joint international conference on Food, Health and Environment; Dhaka, Bangladesh, 26-28 December 2010

B. Research Projects

20. "Taxonomic and genetic diversity of shrimp and prawn species of Bangladesh using DNA barcoding" funded by University Grants Commission Bangladesh for the year 2019-2020
19. "Economic feasibility of Recirculating Aquaculture System (RAS) in Bangladesh" funded by University of Dhaka, Bangladesh for the year 2018-2019
18. "Bacterial and heavy metal contamination in Shrimp PL nurseries of south-west farming regions of Bangladesh" funded by

17. "Immediate and accurate diagnosis of emerging Tilapia Lake Virus (TiLV) disease in Bangladesh through molecular approach" funded by Ministry of Education, Government of Bangladesh for the year 2018-19 and 2019-20
16. "Molecular Characterization of Pathogenic Gut Microbiota of Public Health Concern isolated from Farmed and Marketed Striped Catfish *Pangasianodon hypophthalmus* (Sauvage, 1878)" Funded by Biotechnology Research Centre, University of Dhaka, Bangladesh for the year 2018-19
15. "Proximate composition, amino acids and fatty acids profiling of farmed *Pangasius* fish *Pangasianodon hypophthalmus* (Sauvage, 1878)" funded by University of Dhaka, Bangladesh for the year 2017-2018
14. "Molecular characterization of freshwater eel *Monopterus* spp. of Bangladesh through DNA barcoding" Funded by Biotechnology Research Centre, University of Dhaka, Bangladesh for the year 2017
13. "Diversity of *Vibrio* species' in Black Tiger Shrimp *Penaeus monodon* cultured in South-West region of Bangladesh as revealed by 16S rRNA gene sequencing" funded by University Grants Commission Bangladesh for the year 2016-2017
12. "Pangasius fish industry in Bangladesh-quality aspects and market price variation" funded by Cassidy Levy Kent (USA) LLP in the year 2017
11. "Effect of cinnamon (*Cinnamomum* sp.) as feed supplement on growth performance and bacterial load of *Heteropneustes fossilis* (Bloch, 1972)" funded by Centre for Advanced Studies and Research in Biological Sciences, University of Dhaka, Bangladesh for the year 2017.
10. "Heavy metals accumulation in Black tiger shrimp *Penaeus monodon* cultured in Bagerhat district in Bangladesh" funded by University of Dhaka for the year 2016-2017
9. "Histopathology and Molecular characterization of microsporidian parasite *Enterocytozoon hepatopenaei* (EHP) in Black tiger shrimp *Penaeus monodon*" funded by Ministry of Science and Technology, Government of Bangladesh for fiscal year 2016-2017
8. "Diversity of pathogenic *Vibrio* spp. in shrimp hatchery of Cox's Bazar as revealed by 16S rRNA sequencing" Funded by Biotechnology Research Centre, University of Dhaka, Bangladesh for the year 2016.
7. "Antibiotic susceptibility pattern of *Aeromonas hydrophila* strains isolated from freshwater fishes" funded by Centre for Advanced Studies and Research in Biological Sciences, University of Dhaka, Bangladesh for the year 2016.
6. "Detection of novel strain of *Vibrio parahaemolyticus* causing Early Mortality Syndrome (EMS) in cultured Shrimp" funded by Ministry of Science and Technology, Government of Bangladesh for fiscal year 2015-2016
5. "Isolation of *Lactobacilli* strains of bacteria with probiotic potential from Black Tiger Shrimp (*Penaeus monodon* Fabricius, 1798)" funded by Centre for Advanced Studies and Research in Biological Sciences, University of Dhaka, Bangladesh for the year 2015.
4. "Fraudulence detection in fish marketing of Bangladesh using DNA Barcoding as modern molecular technique" funded by Ministry of Science and Technology, Government of Bangladesh for fiscal year 2014-2015
3. "Molecular Characterization of *Aeromonas hydrophila* Isolated from Cultured Freshwater Fish of Bangladesh" funded by Ministry of Science and Technology, Government of Bangladesh for fiscal year 2013-2014
2. "Isolation and identification of *Vibrio rotiferianus* from fish hatchery" funded by University of Dhaka for the year 2012-2013
1. "Molecular identification of *Vibrio coralliilyticus* from coral of the Saint Martin's Island, Bangladesh" Funded by Biotechnology Research Centre, University of Dhaka, Bangladesh for the year 2013.

C. Attended Conferences

13. 5th FRDC Australasian Scientific Conference on Aquatic Animal Health & Biosecurity, Cairns, Australia, 8-12 July 2019. (Whole Genome Sequencing of *Vibrio parahaemolyticus* strains causes Acute Hepatopancreatic Necrosis Disease in Black Tiger Shrimp *Penaeus monodon* of Bangladesh)

12. 8th Biennial **Fisheries Conference and Research Fair 2019**. Organized by Bangladesh Fisheries Research Forum (BFRF), Bangladesh Agricultural Research Council (BARC), Dhaka, Bangladesh. 30-31 March 2019. (Continuous presence of AHPND positive *Vibrio parahaemolyticus* strains isolated from shrimps *Penaeus monodon* cultured in Bangladesh ; Epidemiological study of White Spot Syndrome Virus (WSSV) disease in cultured shrimp of south-west region of Bangladesh; Pathogenic bacteria in shrimp PL nurseries of south-west region of Bangladesh; and Molecular identification and antibiogram of gut bacteria isolated from striped catfish, *Pangasianodon hypophthalmus* (sauvage, 1878) cultured in Bangladesh)
11. 21th National Conference and AGM of the Zoological Society of Bangladesh (ZSB), 7-8 December 2018. (Comparison of nutritional quality of Striped catfish, *Pangasianodon hypophthalmus* (Sauvage, 1878) cultured in Bangladesh and Vietnam)
10. 20th International Biennial Conference and AGM of the Zoological Society of Bangladesh (ZSB), 9-10 December 2017. (Detection and molecular characterization of microsporidian parasite in cultured shrimp *Penaeus monodon* in south-west farming region of Bangladesh)
9. 10th Symposium on **Disease in Asian Aquaculture (DAA10)**, Bali, Indonesia. 28 August - 01 September 2017. (Molecular identification of AHPND positive *Vibrio parahaemolyticus* in cultured shrimp of Bangladesh)
8. 30th Annual Conference of Bangladesh Society of Microbiologists (BSM), University of Dhaka, Bangladesh. **April 29, 2017** (Molecular identification of *Vibrio parahaemolyticus* causing Acute Hepatopancreatic Necrosis Disease in cultured Shrimp)
7. 7th Biennial **Fisheries Conference and Research Fair 2016**. Organized by Bangladesh Fisheries Research Forum (BFRF), Bangladesh Agricultural Research Council (BARC), Dhaka, Bangladesh. 29-30 October 2016. (Identification of pathogenic gut microbiota of rohu *Labeo rohita* and silver carp *Hypophthalmichthys molitrix* by 16S rRNA gene sequencing; and Fraudulence detection in fish marketing of Bangladesh using DNA barcoding)
6. International Conference (29th AGM) of Bangladesh Society of Microbiologists (BSM) on Microbes for benefit of the society, University of Dhaka, Bangladesh. **26-28 December, 2015** (Seasonal prevalence of White Spot Syndrome Virus (WSSV) in cultured tiger shrimp (*Penaeus monodon*) of Bangladesh)
5. International level seminar on "Problems and prospects of coastal aquaculture and application of biotechnological tools for rural development", Vidyasagar University, **India**. 01-03 March **2013**. (Effects of salinity on growth and survival of Pungas catfish, *Pangasius hypophthalmus*)
4. 23rd International ICFMH Symposium **Food Micro 2012**, Istanbul, **Turkey**. (03-07) September, 2012. (Population structure of *Vibrio* spp. in Mollusk of Venice Lagoon as revealed by Multilocus Sequence data)
3. 4th Conference on the Biology of Vibrios **Vibrio 2011**, Santiago de Compostela, **Spain**. (01-04) November, 2011. (MLSA (Multilocus Sequence Analysis) Approach to identify Vibrios isolated from Shellfish, Venice lagoon, Italy)
2. 22nd International ICFMH Symposium **Food Micro 2010**, Copenhagen, **Denmark**. 30th August-3rd September, 2010. (Comparison of biochemical and biomolecular approaches to identify *Vibrio* spp. in Shellfish: A preliminary survey in Veneto, Italy)
1. 3rd Biennial **Fisheries Conference and Research Fair 2008**. Organized by Bangladesh Fisheries Research Forum (BFRF), Bangladesh Agricultural Research Council (BARC), Dhaka, Bangladesh. 16-17 January 2008. (Incidence of *Vibrio cholerae* in freshwater fishes of Bangladesh)

D. Life Member/ Member

1. Asian Fisheries Society (AFS) (Permanent Active Member, PAM)
2. Bangladesh Fisheries Research Forum (BFRF)
3. Zoological Society of Bangladesh (ZSB)
4. Bangladesh Society of Microbiologists (BSM)
5. Bangladesh Association for the Advancement of Science (BAAS)
6. Krishibid Institution Bangladesh (KIB)
7. Asiatic Society of Bangladesh (ASB)
8. Global Network of Bangladeshi Biotechnologists (GNOBB)

E. MPhil./PhD candidates guided

1. One PhD student working with 'Molecular characterization of pathogenic strains of bacteria causing Motile Aeromonas Septicaemia (MAS) in *Heteropneustes fossilis*; Implications for potential drug development'

2. Currently guide one M.Phil. student working on 'Impacts of commercial drugs and chemicals on aquaculture production in north-east region of Bangladesh'

3. Supervised more than twenty MS research students worked on various aspects of Fisheries, Aquaculture, Microbiology, molecular biology, fish and shrimp disease etc.

At present, three MS students working on fish/shrimp disease, DNA Barcoding, Bioinformatics etc.

F. Editorial activity/Journal Reviewer

1. Peer reviewed open access journal 'PeerJ'
2. Journal of Fish Disease
3. Journal of the Asiatic Society of Bangladesh, Science
4. Dhaka University Journal of Biological Sciences
5. Bangladesh Journal of Zoology (BJZ)
6. Journal of Noakhali Science and Technology University (JNSTU)
7. Journal of Fishing and Post-harvest Technology (JFPT)

G. Countries Visited for scientific purposes

Australia, Belgium, Denmark, India, Indonesia, Italy, Japan, Spain, The Netherlands, Turkey

H. Collaborations

1. Laboratory of Microbiology, Plant breeding and biotechnology laboratory, Cytogenetics laboratory, Department of Botany, University of Dhaka, Bangladesh
2. Parasitology Laboratory, Department of Zoology, University of Dhaka, Bangladesh
3. Microbial genetics and Bioinformatics laboratory, Department of Microbiology, University of Dhaka, Bangladesh
4. Chemical Biology & DNA research Laboratory, Department of Clinical Pharmacy and Pharmacology, University of Dhaka, Bangladesh
5. Zoology section; Soil, agronomy and environment section, Bangladesh Centre for Scientific and Industrial Research (BCSIR), Dhaka, Bangladesh
6. Environmental Microbiology Laboratory, Laboratory Sciences & Services Division, ICDDR,B, Bangladesh
7. Food Safety section, Department of Comparative Biomedicine & Food Science, University of Padova, Italy
8. Shrimp Health Management Laboratory, Shrimp Research Station (SRS), Bangladesh Fisheries Research Institute (BFRI), Bagerhat, Khulna, Bangladesh
9. Fisheries Biotechnology Division, National Institute of Biotechnology (NIB), Dhaka, Bangladesh
10. Bioinformatics Laboratory, Department of Genetic Engineering and Biotechnology, University of Dhaka, Bangladesh
11. Agro3 Fish Hatchery & Culture Farm, Maskanda, Mymensingh, Bangladesh

I. Names and contacts of three professional referees

Dean of the Faculty

1. Professor Dr M Imdadul Hoque

Dean, Faculty of Biological Sciences
University of Dhaka, Dhaka-1000, **Bangladesh**
Cell: +8801711224350
Phone: +88028613243
PABX: +88029661900 ext 4355, 7545
Fax: +88 02 9667222 (VC Office)
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PhD supervisor

2. Dottor Luca FASOLATO

Ricercatore Universitario, Department of Comparative Biomedicine and Food Science
Faculty of Veterinary Medicine, University of Padova
Agripolis- Viale dell'Università 16, Legnaro (PD)-35020, **Italy**
Phone: +390498272966, Fax +39 049 8272973
Cell: +393403170415
E-mail: luca.fasolato@unipd.it

Master of Science (MS) thesis supervisor/ Previous employer

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