

## Curriculum Vitae

### Personal details:

**Dr. Md. Sagir Ahmed**

**Position: Professor**

Year & Place of birth: 1966, Brahmanbaria

Email: [sagir@du.ac.bd](mailto:sagir@du.ac.bd)

Alternate: [sagir\\_udhaka@hotmail.com](mailto:sagir_udhaka@hotmail.com)

Tel.: 880-2-9661920 Ext. 7580; Fax: 880-2-9667222; Cell: 01152  
422 621

### Academic Affiliation

Department of Zoology, University of Dhaka  
Aquatic Biodiversity and DNA Barcoding Laboratory

### Areas of Expertise (Keywords)

Aquatic Biodiversity & Resource Management  
Marine Resources & Blue economy  
DNA barcoding of animals  
Environmental pollution & sustainable management  
Ecology, Ecotoxicology, Harmful algal Toxins  
Fish Biology & population dynamics

### Education

Ph. D. – Marine Production and Environmental pollution, Aquatic Resources  
Sciences, Faculty of Fisheries, Kagoshima University, Japan. (1992-1995).

Post Doctoral- Marine Biology and Oceanography Division, Faculty of Fisheries,  
Kagoshima University, Japan. (2006-2009).

M.Sc. (First Class)– Fish polyculture and water quality- Department of Zoology  
(Fisheries Branch), University of Dhaka. (1987-1988).

B. Sc. Honours (First Class) – Zoology- Department of Zoology, University of  
Dhaka. (1983-1986). (Please see appendix 1 for details)

### Professional Experience

2011- present : Professor, Department of Zoology, University of Dhaka

2005-2011 : Associate Professor, Department of Zoology, University of Dhaka

1999-2005 : Assistant Professor, Department of Zoology, University of Dhaka

1997-1999 : Lecturer, Department of Zoology, University of Dhaka

1998-1999 : Part-time Faculty, Department of Aquaculture and Fisheries,  
2004-2005 University of Dhaka

2004-2005 : Part-time Faculty, Department of Biochemistry and, Molecular  
Biology, University of Dhaka

1994-1995 : Teaching Assistant, Faculty of Fisheries, Kagoshima University,  
Japan

### **Research Achievements/ Involvements**

1. DNA Barcoding of Freshwater fishes of Bangladesh. Pioneer in DNA Barcoding of freshwater fishes of Bangladesh (First reported).
2. DNA Barcoding of Marine Fishes of Bangladesh. Pioneer in DNA Barcoding of Marine fishes of Bangladesh (First reported).
3. DNA Barcoding of small indigenous fish species (SIS) from Tanguar Haor. Pioneer in DNA Barcoding of freshwater fishes of Bangladesh (First reported).
4. Isolation and characterization microcystins (Heptapeptides Hepatotoxins) from cyanobacterial blooms ( *Microcystis aeruginosa*) in eutrophic ponds and lakes in Bangladesh (First reported).
5. Determination of puffer fish toxins (tetraodotoxin) and its analogs in the marine and freshwater puffer fish from Bangladesh (First reported)
6. The role of cyanobacteria blooms in cholera epidemics in Bangladesh.
7. Age growth (otoliths method) and population dynamics of some selected fish from the Kagoshima Bay, Japan
8. The Biological basis of fisheries management in the floodplain River Titas, Brahmanbaria
9. Development of breeding technology of and rearing techniques *Channa punctatus* *C. striatus* and *C. marulius*
10. Have GenBank Accession Numbers (sequences deposition) of more than 1000 from Bangladesh (Fish, Crustaceans, Reptiles, etc.)

### **On-going and Recent Research Activities:**

1. DNA Barcoding of Shrimps, Lobster and Crabs (Crustacea: Decapoda) of Bangladesh: Implication for Conservation and Management Position: Principal Investigator. Funded by Funded by Bangladesh Academy of Science, BAS-USDA Endowment Program, October 2020-September 2023.

2. DNA Barcoding of Marine fishes of Bangladesh Position: Principal Investigator. Funded by the Ministry of Education, GoB under the Grants for Advance Research in Sciences, July 2017- June 2019.
3. DNA Barcoding of freshwater fishes of Bangladesh: Implication for Conservation and Management. Position: Principal Investigator. Funded by NATP 2, BARC, World Bank April 2017- Sept 2018.
4. DNA barcoding of small indigenous fish species of Bangladesh. Position: Principal Investigator. Funded by the Ministry of Education, GoB. July 2014- June 2016.
5. Faunal survey and enrichment of facilities for biodiversity research in the Department of Zoology, University of Dhaka. Under the Higher Education and Quality Enhancement Project (HEQEP), University Grants Commission of Bangladesh. Position: Faculty Researcher. April 2012- December 2015.
6. Diversification of Academic Programs and Improvement in Teaching-Learning at the Department of Zoology, University of Dhaka. Under the Higher Education and Quality Enhancement Project (HEQEP), University Grants Commission of Bangladesh. Position: As DSPM. July 2014- October 2016.
7. Adaptation of Community Enterprise Approaches in Tidal floodplains for Crop-fish Culture – Jhaokathi Model. Position: Co-Investigator. A joint project of Shikkha Shastha Unnayan Karzakram, Department of Fisheries (DoF) and Department of Zoology, University of Dhaka, Funded by: Bangladesh Krishi Goveshona Porishad. February 2015- January 2018.
8. DNA Barcoding of Sharks, Skates and Rays from the Marine and Coastal waters of Bangladesh Position: Principal Investigator. Funded by: Ministry of Science & Technology, GoB. July 2017- June 2018
9. Genetic characterization and development of micro satellite marker of Hilsa shad, *Tenulosa ilisha*. Position: Principal Investigator. Funded by: Ministry of Science & Technology, GoB. July 2014- June 2015
10. Genetic diversity among different species of hilsa shad (Clupeidae) of three major aquatic environments in Bangladesh. Position: Principal Investigator. University Grants Commission of Bangladesh (UGC). January 2015 – Dec 2015.

**Key Consultancy Assignments:**

1. Fisheries Consultant: Padma Multipurpose Bridge, Museum, Since March, 2015- June 2021
2. Marine Biodiversity Consultant: “Assessment of Coastal and Marine Biodiversity Resources and Ecosystems to Implement the Blue Economy Action Plan” January- December 2021. Department of Environment, GoB.

3. External peer Reviewer Expert: As a Quality Assurance (QA) Expert to review self assessment activities and Self Assessment Report of Zoology Discipline of Jagannth University, Dhaka, June 12-14, 2016. Institutional Quality Assurance Cell (IQAC) of Jagannath University, Dhaka, under the HEQEP (Higher Education Quality Enhancement Project, of World Bank and UGC Bangladesh.
4. Technical Review (RAG-Fish-125) of Red List Books under the project entitled “Updating Species Red List of Bangladesh” funded by World Bank. May-October 2015.
5. Sustainable utilization of safe drinking water in southern part of Bangladesh (Khulna, Mongla), HEED Bangladesh and Teknikerbanken & Regito Research Center on Water and Health, Sweden. April – December, 2015.

### **Research Counterparts:**

Teaches and undertakes research related to environment, natural resources, environmental management, population sciences and planning in Bangladesh, basic zoology and fisheries. He has worked with research counterparts from Germany, UK, Denmark, Sweden, Japan, New Zealand, Iraq and Morocco and has undertaken work for the various donor agencies (World Bank, DFID, UNESCO, IOC, ADB), NGO’s, Public and Private Universities, Research Organizations and Government agencies. (Please see appendix 1, for details)

### **Research Students Supervision**

Ph D                    At present supervising four Ph D students and produced two Ph D degree in Zoology (Fisheries Branch)

M. Sc. Supervised 40 MS students for their research work as a part of their degree in Zoology (Fisheries) since 1997.

### **Research experiences**

<b>Date/Duration</b>	<b>Title of Research Conducted</b>	<b>Status/Position</b>	<b>Institution/Organization</b>	<b>Donor/Funded by</b>
April 2017- Sept 2018	DNA Barcoding of freshwater fishes of Bangladesh: Implication for Conservation and Management.	Principal Investigator	Department of Zoology, University of Dhaka	NATP 2, BARC, World Bank, USAID
July 2017- June 2019	DNA Barcoding of marine fishes of Bangladesh	Principal Investigator	Department of Zoology, University of Dhaka	Ministry of Education, GoB
April 2012 to Dec 2015	Faunal survey and enrichment of facilities for biodiversity research in the Department of	Faculty Researcher	Department of Zoology, University of Dhaka	World Bank, UGC

	Zoology, University of Dhaka. Under the Higher Education and Quality Enhancement Project (HEQEP)			
July 2014 to October 2016	Diversification of Academic Programs and Improvement in Teaching-Learning at the Department of Zoology, University of Dhaka. Under the Higher Education and Quality Enhancement Project (HEQEP)	Deputy Sub Project Manager	Department of Zoology, University of Dhaka	World Bank, UGC
July 2014 to June 2016	DNA barcoding of small indigenous fish species from Tanguar Haor	Principal Investigator	Department of Zoology, University of Dhaka	Ministry of Education, GoB.
February 2015 to January 2018	Adaptation of Community Enterprise Approaches in Tidal floodplains for Crop-fish Culture – Jhaokathi Model.	Co-Investigator	Department of Fisheries (DoF), Department of Zoology, University of Dhaka, & SHISHUK NGO	Bangladesh Krishi Govesona Parishad, BARC
July 2014 June to 2015	Genetic characterization and development of micro satellite marker of Hilsa shad, <i>Tenualosa ilisha</i>	Principal Investigator	Department of Zoology, University of Dhaka	Ministry of Science & Technology, GoB.
January 2015 Dec to 2015	Genetic diversity among different species of hilsa shad (Clupeidae) of three major aquatic environments in Bangladesh	Principal Investigator	Department of Zoology, University of Dhaka	UGC, Bangladesh
May 2006 to November 2009	Age growth and population dynamics of some selected fish from the Kagoshima Bay, Japan	Post doctoral researcher	Marine Biology and Oceanography Division, Faculty of Fisheries, Kagoshima University, Japan	Japan Government
July 2001 to June 2003 (2 years)	The Biological basis of fisheries management in the floodplain River Titas, Brahmanbaria	Project Co-ordinator (Awardee)	Department of Zoology, University of Dhaka and WorldFish Center Bangladesh	SUFER Project, DFID, UK and UGC, Bangladesh
September 1999 to August 2001 (2 years)	Development of breeding and rearing techniques of <i>Channa marulius</i>	Principal Investigator	Department of Zoology, University of Dhaka	UGC, Bangladesh
February 1998 to June 2001 (2 years 6 months)	Development of breeding technology of and rearing techniques <i>Channa punctatus</i> and <i>C. striatus</i>	Co-Investigator	Department of Zoology, University of Dhaka	BARC, Dhaka
June 1995- August 1996 (1 year 03 months)	Quality control of fish and fisheries products	Fisheries Technical Expert	Expert of F. S. Asia Co. Ltd., Kagoshima, Japan	-
May 1990- November 1990 (7 months)	Study on fish parasites of <i>Anabas testudineus</i>	Research Assistant	Department of Zoology, University of Dhaka	Ministry of Science & Technology, Bangladesh

April 1992-March 1995 (3 years)	Studies on Toxins Separated from the Phytoflagellate <i>Chattonella marina</i>	Ph.D. Research Fellow	Marine Botany & Environmental Sciences Lab., Faculty of Fisheries, Kagoshima University, Japan	Heiwa Nakajima Foundation and Nagashima Bunka Foundation, Japan
June 1989-May 1990 (1 year)	Polyculture of giant Freshwater Prawn <i>Macrobrachium rosenbergii</i> with some major carps	M. Sc. Thesis student	Department of Zoology, University of Dhaka	-

### **Training programs and workshops attended:**

Attended more than 25 international and national training programs and workshops to update knowledge, skills and presented papers (Australia, Japan, China, Germany, Denmark, UK, South Africa, Malaysia, Kazakhstan, Cambodia, India, etc. see appendix 1 for details).

#### **A. International Training and Workshop:**

- 1. 13 - 17 October 2014:** Training Workshop on Preparing R&D Proposal and Technopreneurship for CIS Countries, Astana, Kazakhstan organized by the International Science, Technology and Innovation Centre for South-South Cooperation under the auspices of UNESCO (ISTIC) and National Centre of Science and Technology Evaluation (NCSTE), **Astana, Kazakhstan.**
- 2. 12 – 14 September 2012:** National Training Cum Workshop on “DNA Barcoding of Fish and Marine Life – Molecular Analysis & Bioinformatics Approaches” (FISHCODE – 2012). Department of Marine Science Bharathidasan University, **Tiruchirappalli – 620 024, India.**
- 3. 22 February to 03 March 2005:** UNESCO Intergovernmental Oceanographic Commission (IOC) Training Course on “Qualitative and quantitative determination of Algal Toxins” at the Alfred Wegener Institute for Polar and Marie Research in **Germany.**
- 4. 07 July to 02 August 2002:** Training on Fish stock assessment using FiSAT and LFDA at the Center for Environment, Fisheries and Aquaculture Sciences (CEFAS), **Lowestoft, UK.**
- 5. 27 August to 14 September 2001:** Three weeks long training program on "Strengthening Fisheries Education and Syllabuses for Bangladesh Universities" at the Asian Institute of Technology (AIT), **Bangkok, Thailand,** sponsored by DFID, UK.

6. **01 to 12 March 1999:** UNESCO Intergovernmental Oceanographic Commission (IOC) Training course on Harmful Algal Toxins. Friedrich-Schiller **University of Jena, Germany.**

#### **B. National Training Program and Workshop:**

Attended and Organized over 35 Training and workshops on Biodiversity, Fisheries, Environment, Teaching and statistical analysis in last 18 years:

1. IUCN Red List Assessor Training Workshop 14-17 July 2014, BRAC- CDM Rajendrapur, Gazipur. Organized by IUCN Bangladesh Country Office.
2. DNA Barcoding Training Workshop 2-5 March 2014, Department of Zoology, Chittagoang University, Chittagoang, Bangladesh. Funded by USDA.
3. Training program on "Model field course demonstration" from 21-26 April, 2002, Parbotipur, Dinajpur, organized by SUFER project, DFID.
4. Workshop on "Research Proposal writing for National and International funding" from 5-16 April, 2002, Srimongal, organized by SUFER project, DFID
5. A week-long Training Program on Livelihood Assessment organized by SUFER project, DFID, from 17-25 March 2002, Sundarban.
6. "Teaching Methodology workshop" jointly organized by DFID and UGC Bangladesh, 24-29 June 2000, Rajendrapur, Bangladesh.
7. Two weeks long Training and Orientation Program organized by the University of Dhaka from 18- 30 September 1999.

#### **C. Conference/Symposium attended as paper presenter**

##### **International:**

- i. Attended paper presented in the 8th International Barcode of Life Conference 17-21 June 2019, The NTNU University Museum and the Norwegian Biodiversity Information Centre in collaboration with NorBOL, **Trondheim, Norway.**
- ii. Attended paper presented in the Annual Conference of the Asian Society of Ichthyologists 30 November- 05 December 2018, Guangxi University, **Nanning, China.**

- iii. Attended paper presented in the 6th International Barcode of Life Conference 18-21 August 2015, Biodiversity Institute of Ontario, University of Guelph, **Ontario, Canada**.
- iv. Attended paper presented in the 5th International Barcode of Life Conference 27-31 October 2013, **Kunming, China**.
- v. Attended paper presented in the 12th International Conference on Harmful Algal Blooms 04-08 August 2006. **Copenhagen, Denmark**.
- vi. Attended paper presented in the 11th International Conference on Harmful Algal Blooms 15-19 October 2004. **Cape Town, South Africa**.
- vii. Attended and paper presented in "The 7th Asian Fisheries Forum" 28 November to 04 December 2004, **Penang, Malaysia**.
- viii. Attended and paper presented in "The 7th International River Management Symposium" from 31 August to 04 September 2004, **Brisbane, Australia**.
- ix. Attended and paper presented in "The Second International Symposium on the Management of Large Rivers for Fisheries" from 11-14 February 2003, Phnom Penh, **Kingdom of Cambodia**.
- x. The "International Symposium on shared stock management" from 10-12 July 2002, at the Center for Environment, Fisheries and Aquaculture Sciences (CEFAS), **Lowestoft, UK**.
- xi. The "International Commemorative Symposium, 70th Anniversary of The Japanese Society of Fisheries Science, October 01-05, 2001, Pacifico Convention Plaza **Yokohama, Japan**.
- xii. The "National Seminar on Conservation of Aquaculture Resources" organized by Department of Life Sciences, Tripura University, **India**, 17-18 March, 2001.
- xiii. Attended the 9th International Conference on Harmful Algal Blooms 7-11 February 2000, Hobart, **Tasmania, Australia**.
- xiv. The 2nd Israel-Japan Aquaculture Symposium 4-6 April 1994, **Kagoshima, Japan**.

**Conference/Symposium attended as Session Chair:**



- i. 5<sup>th</sup> International Conference on Environmental Aspects of Bangladesh 5-6 September, 2014, University of Dhaka, Dhaka 1000, Bangladesh.
- ii. 2<sup>nd</sup> International Conference on Green Energy and Technology 5-6 September, 2014, University of Dhaka, Dhaka 1000, Bangladesh.
- iii. Conference on Status of Faunal Diversity and Conservation in Bangladesh 17 September 2014, Department of Zoology, University of Dhaka.

**National:**

- i. The "Teaching Methods Conference" November 10-12, 2001 at Cox's Bazar, organized by SUFER, DFID.
- ii. Attended more than 25 National Conferences related fisheries including the National conference of the Zoological Society of Bangladesh.

**Selected Publications**

(Published more than 50 articles in international and national peer reviewed journals)

1. **Ahmed M. S.**, Datta, S. K., Saha, T. and Hossain, Z. 2021. Molecular characterization of marine and coastal fishes of Bangladesh through DNA barcodes. *Ecology and Evolution*.
2. **Ahmed, M. S.**, Salam, S., Rumana, S. S. S. and Barua, A. 2021. DNA barcoding and phylogenetic relationship of shrimps (Crustacea: Decapoda) of Bangladesh. *Bioresearch Communications* 7(1): 941-946.
3. Saha, T., Datta, S.K., Zhilik, A.A., Chowdhury, N.Z., Baki, M.A. and **Ahmed, M.S.** 2021. New geographical record of the rainbow runner, *Elagatis bipinnulata* (Quoy & Gaimard, 1825) (Perciformes: Carangidae) from the Bay of Bengal, Bangladesh. *Thalassas: An International Journal of Marine Sciences* 37 (1):23–26
4. **Ahmed M. S.**, Datta, S. K. and Zhilik, A.A. 2020. Molecular diversity of freshwater fishes of Bangladesh assessed by DNA barcoding. *Bangladesh J. Zool.* 48(1): 1-19.
5. **Ahmed M. S.**, Datta, S. K., Saha, T., Zhilik, A.A., Chowdhury, N. J. Ahmed, S. 2020. New geographical record of three-spine frogfish, *Batrachomoeus trispinosus* (Günther, 1861) from the River Rupsa, Bangladesh. *Bangladesh J. Zool.* 48(1): 197-202.
6. Datta, S.K., Saha, T., Sanzida, N.J., Ahmed, S., Akhand, M.A.A. and **Ahmed, M.S.** (2020). New Distributional Record of Hasselt's Bamboo Shark *Chiloscyllium hasseltii* (Orectolobiformes: Hemiscylliidae) from Bangladesh Waters. *Thalassas: An International Journal of Marine Sciences* 36 (2): 291–295 <https://doi.org/10.1007/s41208-020-00237-5>

7. **Ahmed, M. S.,** Ahmed, S., Giese, B., Schulz, V., and Luckas, B. (2020). Detection of microcystins in Nile tilapia (*Oreochromis niloticus*) from a eutrophic pond containing *Microcystis aeruginosa* bloom in Dhaka, Bangladesh. *Bioresearch Communications* 6(2): 887-893.
8. **Ahmed, M. S.,** Chowdhury, M. M. K., & Nahar, L. (2019). Molecular characterization of small indigenous fish species (SIS) of Bangladesh through DNA barcodes. *Gene* 684: 54-57. <https://doi.org/10.1016/j.gene.2018.10.048>
9. **Ahmed, M. S.,** Chowdhury, N. Z., Datta, S.K. and Zhilik, A.A. (2019). New Geographical Record of the Burmese Bamboo Shark, *Chiloscyllium burmensis* (Orectolobiformes: Hemiscylliidae), from Bangladesh Waters. *Thalassas: An International Journal of Marine Sciences* 35:347–350. <https://doi.org/10.1007/s41208-019-00153-3>
10. **Ahmed, M. S.,** Md. Abu Obaida, Tonmoy Saha, Sujan Kumar Datta, Ahmed Farhan Labib, Nishat Zahan Chowdhury and Ayesha Akhter Zhilik. 2018. New record of Blackspotted gurnard *Pterygotrigla hemisticta* (Temminck and Schlegel, 1843) (Scorpaeniformes: Triglidae) from the Bay of Bengal, Bangladesh. *J. Life Earth Sci.* 13: 53-55.
11. **Ahmed, M. S.,** Dina, S.R., Nahar, L., Islam, N.N, and Reza, H.A. 2018. Molecular characterization of *Channa* species from Bangladesh based on Cytochrome c Oxidase Subunit I (COI) gene. *FishTaxa* 3(4): 87-93.
12. Kabir, N., Shamsunnahar, Baki, M.A., Ahmed, S. and **Ahmed, M.S.** 2018. New record of the Squaretail kob, *Argyrosomus thorpei* Smith, 1977 (Perciformes: Sciaenidae) from the coast of Bay of Bengal, Bangladesh. *International Journal of Fisheries and Aquatic Studies.* 6(5): 45-47.
13. **Ahmed, M.S.,** Datta, S.K., Saha, T. and Faroque, M.U. 2018. First record of the unicorn leatherjacket *Aluterus monoceros* (Tetraodontiformes: Monacanthidae) from the Southern coast of Bay of Bengal, Bangladesh. *International Journal of Fauna and Biological Studies* 5(4): 106-108.
14. A.S. M. S. Rahman, M. H. Begum, H. A. Reza, M. N. Ahsan, **M. S. Ahmed.** 2018. Molecular characterization of hilsa shads in Bangladesh using Cytochrome C Oxidase Subunit I (COI) gene. *International Journal of Fauna and Biological Studies.* 5(3): 1-5.
15. Saha, T., Datta, S.K., Zhilik, A.A., Chowdhury, N.Z., Ahmed, S. and **Ahmed, M.S.** 2017. First record of the band fish *Acanthocephala indica* (Perciformes: Cepolidae) from the Bay of Bengal, Bangladesh. *Univ. j. zool. Rajshahi. Univ.* 36: 57-59.
16. **Ahmed, M.S.** Abu Obaida, Sumaiya Ahmed and Gulshan Ara Latifa. 2017. New record of Concertina fish, *Drepane longimana* (Perciformes: Drepaneidae) from the

St. Martin's Island, Bangladesh. *International Journal of Fisheries and Aquatic Studies* 2017; 5(6): 164-165

17. Shamsunnahar, Baki MA, Sarker A, Hasina Begum M, Zafaria M, Islam NN, **Ahmed MS**. 2017. New record of Indian oil sardine *Sardinella longiceps* from the coastal region of Bangladesh. *Ocean Life* 1: 11-13.
18. Sumaiya Ahmed, Bernd Giese, Volker Schulz and **Md. Sagir Ahmed**. 2017. Effects of toxic *Microcystis aeruginosa* Bloom on liver of Nile Tilapia (*Oreochromis niloticus*). *Bangladesh J. Zool.* 45(1): 1-10.
19. Chowdhury, M. M., Rahman, A.S.M. S., Nahar, L., Rahman, M., Reza, R.H. and **Ahmed, M.S.** 2016. Efficiency of Different DNA Extraction Methods for Fish Tissues: A Comparative Analysis. *IOSR Journal of Pharmacy and Biological Sciences (IOSR-JPBS)*, 11(3): 11-15.
20. Sumaiya Ahmed, Dulon Roy, Haraj Uddin, Shibanda Shil and Md. Sagir Ahmed. 2016. Temporal analysis of phytoplankton diversity in relation to some physico-chemical parameters of the river Buriganga. *International Journal of Fisheries and Aquatic Studies* 2016; 4(6): 526-530.
21. Latifa, G.A., Ahmed, A.T.A., **Ahmed, M.S.** Baki, M.A. and Hossain, M.M. 2016. *Corbicula fluminea* (O. F.Müller, 1774), an Invasive Bivalve Mollusk, First Identified at Numerous Sites in Bangladesh. *The Festiva* 48 (1): 17-22.
22. Latifa, G.A., Ahmed, A.T.A., **Ahmed, M.S.**, Rahman, M.M., Asaduzzaman, M., Obaida, A., Hossain, M.M. and Biswas, A.R. 2015. Fishes of Gobiidae Family, recorded from the rivers and estuaries of Bangladesh: Some morphometric and meristic studies. *Bangladesh J. Zool.* 43(2): 157-171.
23. **Ahmed, M.S.**, Chowdhury, M.M., Rahman, M., Nahar, L. 2015. DNA Barcoding of small indigenous fish species (SIS) from Tanguar Haor. *Genome* 58: 186. [dx.doi.org/10.1139/gen-2015-0094](https://doi.org/10.1139/gen-2015-0094).
24. **Ahmed, M.S.**, Krueger, T. and Luckas, B. 2014. *Anabaena* sp. bloom and the occurrence of microcystin-LR from a eutrophic pond in Bangladesh. *International Journal of Fisheries and Aquatic Studies* 2(3): 14-17.
25. **Ahmed, M. S.** and Gulshan Ara Latifa. 2014. DNA Barcoding: Challenge and opportunities for vertebrate faunal diversity and conservation in Bangladesh. *Proceedings of the 50<sup>th</sup> Anniversary of IUCN Red List, Bangladesh, 2014; p. 19-24*
26. **Ahmed, M.S.** and G. A. Latifa. 2012. Determination of age and growth of *Glossogobius giurus* (Hamilton- Buchanan, 1822) using sectioned otolith. *Bangladesh J. Zool.*, 40 (1): 13-19.

27. Sadia Belcaid and Md. Sagir Ahmed. 2011. Growth, mortality and exploitation of European hake *Merluccius merluccius* in the Moroccan North Atlantic Sea. *Egyptian Journal of Aquatic Research*, 37(2):139-145.
28. Ahmed, M.S., M. Raknuzzaman and S. Ahmed. 2010. *Oscillatoria* sp. Bloom and the Occurrence of Microcystin in the River Buriganga, Dhaka, Bangladesh. *Research J. Environmental. Sci.*, 4(1): 64-69.
29. Ahmed, M. S., 2009. Isolation and characterization microcystins (Heptapeptides Hepatotoxins) from *Microcystis aeruginosa* bloom in a homestead pond, Dhaka, Bangladesh. *Research J. Environmental. Sci.*, 3(2): 245-250.
30. Ahmed, M.S. Alam, M.S. and Akther, H. 2009. Livelihood assessment of Jatka fishing community at North Srirumdi village, Chandpur, Bangladesh. 2009. *South Pacific Studies*, 29(2): 1-12.
31. Ahmed, M.S., A.S.M. Sharif and G.A. Latifa. 2008. Age, growth and mortality of Hilsa shad, *Tenualosa ilisha* in the River Meghna, Bangladesh. *Asian J. Biol. Sci.*, 1(2): 69-76.
32. Ahmed, M.S., S. Hiller and B. Luckas. 2008. *Microcystis aeruginosa* bloom and the occurrence of microcystins in a freshwater eutrophic lake in Comilla, Bangladesh. Moestrup, Ø., et al. (Eds.) Harmful Algae. Proceedings of the 12th International Conference on Harmful Algae. International Society for the Study of Harmful Algae and Intergovernmental Oceanographic Commission of UNESCO, 2008 Copenhagen. pp 162-164.
33. Ahmed, M.S., S. Hiller, B. Luckas. 2008. *Microcystis aeruginosa* Bloom and the Occurrence of Microcystins (Heptapeptides Hepatotoxins) From an Aquaculture Pond in Gazipur, Bangladesh. *Turkish J. Fish. Aquatic. Sci.*, 8(1): 37-41.
34. Ahmed, M.S. 2008. Assessment of Fishing Practices on the Exploitation of the Titas Floodplain in Brahmanbaria, Bangladesh. *Turkish J. Fish. Aquatic. Sci.*, 8(2):329-334.
35. Ahmed, M.S. and H. Akther. 2008. Brush and Vegetation Park Fishery in the River Titas, Brahmanbaria, Bangladesh. *South Pacific Studies*, 29(1): 63-72.
36. Ahmed, M.S. and Luckas, B. 2008. *Microcystis aeruginosa* (Chroococcales, Cyanobacteria) Bloom and the Occurrence of Microcystins in a Freshwater Pond in Bangladesh. *The CDR Journal*, 3 & 4: 135-141.
37. Ahmed, M. S., M. Rakanuzzaman, H. Akther and S. Ahmed. 2007. The role of cyanobacteria blooms in cholera epidemics in Bangladesh. *J. Applied Sci.*, 7(13): 1785-1789. <http://docsdrive.com/pdfs/ansinet/jas/2007/1785-1789.pdf>
38. Marc Diener, B. Christian, M. S. Ahmed and B. Luckas. 2007. Determination of tetraodotoxin and its analogs in the puffer fish *Takifugu oblongus* from Bangladesh by hydrophilic interaction chromatography and mass-spectrometric detection.

*Analytical Bioanalytical Chemistry* 389:1997–2002.

39. Ahmed, M. S. 2006. Puffer fish tragedy in Bangladesh: an incidence of *Takifugu oblongus* poisoning in Digholoia, Khulna. *African J. Marine Sci.*, 28(2): 456-458.
40. Ahmed, M.S., M.B.R. Saiful, M. Y. Arafat, M.G. Mostafa and M.S. Ali. Population dynamics of hilsh shed *Tenualosa ilisha* from the river Meghna. 2002. *Fisheries Science*, 68, Supplement I, 318-321.
41. Ahmed, M.S., E. Jaime, M. Reichelt and B. Luckas. 2002. Paralytic shellfish poison in freshwater puffer fish (*Tetraodon cutcutia*) from the river Burigonga, Bangladesh. In: *Harmful Algal blooms 2000* (Hallegraff, M.G., Blackburn, S.I., Bloch, J.C. and Lewis, R.J. Eds.) pp. 19-21. Intergovernmental Oceanographic Commission (IOC), UNESCO, Paris.
42. **Ahmed, M.S.** and Y. Onoue. 2000. Biological assay of *Chattonella marina* toxins using the water flea, *Moina macrocopa*. *Dhaka Univ. J. Biol. Sci.* **9(1)**: 105-108.
43. **Ahmed, M.S.**, R. Hossain and S. Ali. 2000. Histology of digestive tract of two cat fishes *Clarias batrachus* and *C. gariiepinus*. *J. Asia. Soc. Bangladesh, Sci.* **26(2)**: 277-280.
44. **Ahmed, M.S.**, A. Gosh, S. Begum and S. Ali. 2000. Fecundity and Sex ratio of small indigenus fish *Amblypharyngodon mola* from the River Titas, Brahmanbaria, Bangladesh. *Ecoprint* **7(1)**: 1-5.
45. **Ahmed, M.S.**, S. Ali, M.S. Shah and G.A. Latifa. 1999. Studies on macroinvertebrates in two polyculture ponds at Mymensingh. *Dhaka Univ. J. Biol. Sci.* **8(1)**: 97-83.
46. Latifa, G.A., S. Begum, Asma Akther and **M.S. Ahmed**. 1997. Piscicidal properties of the dry root barks of *Azadirachta indica* on *Heteropneustus fossilis*. *Bangladesh J. Life. Sci.* **9(2)**: 31-36.
47. **Ahmed, M.S.**, S. Ali, M.S. Shah and G.A. Latifa. 1996. Polyculture of giant freshwater prawn *Macrobrachium rosenbergii* with some carps. *Bangladesh J. Zool.* **24(2)**: 103-108.
48. **Ahmed, M.S.**, S. Khan, O. Arakawa and Y. Onoue. 1995a. Properties of hemagglutinins newly separated from phytoplankton. *Biochem. Biophys. Acta.* 1243: 509-512.
49. **Ahmed, M.S.**, S. Khan, O. Arakawa and Y. Onoue. 1995b. Toxicity of cultured *Chattonella marina*. In: *Harmful Algal Blooms*, (Lassus, P., G. Arzul, E. Erard, P. Gentien and C. Marcaillous Eds.) pp. 499-504 Paris: Lavoisier Science Publisher.
50. Khan, S., **M.S. Ahmed**, O. Arakawa and Y. Onoue. 1995. Properties of neurotoxins separated from a harmful organism *Chattonella marina*. *Israel J. Aquaculture Bamidgeh.* 47: 135-141.

**Book**

*Red List of Bangladesh Volume 5: Freshwater Fishes.* IUCN, International Union for Conservation of Nature, Bangladesh Country Office, Dhaka, Bangladesh. (Technical Editor)

Book Chapters: **34 book chapters**

### **Languages proficiency**

Bangla: Speaking, reading, writing

English: Speaking, reading, writing

Japanese: Speaking; Arabic: Reading.

### **Memberships/Credentials**

-Life Member, Asian Ichthyological Society

-International Society for Harmful Algae (ISSHA)

-International Union for Conservation of Nature (IUCN)

- Member, IUCN, Species Survival Commission (SSC)

-Life Member, Zoological Society of Bangladesh.

-The Japanese Society of Fisheries Sciences

-Life Member, Biodiversity Research Group of Bangladesh (BRGB)

-Life Member National Oceanography and Maritime Institute (NOAMI),  
Bangladesh

-Life Member, Japanese Universities Alumni Association (JUAAB)

-Life Member, Bangladesh Fisheries Forum.