Curriculum Vitae of
Prof. Dr. Md. Nazmul Ahsan

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[Personal Details]

Date of birth : July 21, 1967
Place of birth : Khulna, Bangladesh
Nationality : Bangladeshi (by birth)
Sex : Male
Marital status : Married

[Education]

Degree	Institutes, Country	Grade/Class/Division	Passing Year
Post Doc	University of Tokyo, Japan	*	2008
Ph.D.	University of Tokyo, Japan	A	2003
M.Sc.	University of Tokyo, Japan	A	2000
Post-Graduate Research	University of Tokyo, Japan	*	1997
M.S.	Bangladesh Agricultural University, Mymensingh	First	1991
B.Sc. Fisheries (Hons.)	Bangladesh Agricultural University, Mymensingh	First	1989
Higher Secondary School Certificate	Govt B.L. College, Khulna	First	1985
Secondary School Certificate	Crescent High School, Khulna	First	1983

* Non degree programme

[Employment History]

Institution	Position	From	To
Khulna Agricultural University (on deputation)	Vice Chancellor	Oct 30, 2024	Date
Khulna University, Khulna, Bangladesh	Professor	Jan 30, 2006	
Khulna University, Khulna, Bangladesh	Associate Prof	Jul 24, 2000	Jan 29, 2006
Khulna University, Khulna, Bangladesh	Assistant Prof	Apr 1, 1998	Jul 23, 2001
Khulna University, Khulna, Bangladesh	Lecturer	Jun 21, 1995	Mar 31, 1998
DFID (former ODA), UK (Flood Action Plan)	Biologist	Sep 5, 1992	Nov 15, 1993

[Professional Experience]

About 32 years of tertiary teaching, research and consultancy experiences in agricultural transformation of Bangladesh to building resilient coastal community with particular expertise and exposure to environmentally sustainable aquaculture practices in coastal and marine environments that have major roles in determining the shape of dynamic delta and community livelihoods. Served as the Principal Investigator, Lead Consultant, Director of many research and development projects involving various knowledge and development institutes of international reputes which provided the opportunity to gain extra qualifications in team building, administration, project planning, implementation, fund management, monitoring and evaluation as well as interacting with an array of national and international stakeholders with added interpersonal and communication skills.

Major positions held with the current employer include:

- Dean of Life Science School, Khulna University (2014-2016);
- Head of Fisheries Discipline, Khulna University (2010-2013);
- Director of Khulna University Research Cell (2004-2007);
- Served as the members of Khulna University Studies Editorial Board, Board of Advanced Studies, Academic Council, Planning and Development, Syndicate etc.
- Expert Committee member of different academic disciplines;
- Coordinator for a number of national and international training courses/ seminars/symposia.

[Institutional Affiliation]

- Krishibid (agriculturists) Institution (Life member);
- Bangladesh Fisheries Researchers Forum (Life member);
- Zoological Society of Bangladesh (Life member);
- South West Aquaculture Advisory Network (President);
- Bangladesh Aquaculture Technology Innovation Platform (EC Member)
- Japan Association of Drainage and Environment (Country Adviser).
- Coordinator, Interdisciplinary Research group on Climate Resilient Coastal Food System
- Team Leader, Blue Economy Research Cell, Khulna University

[Policy/Advisory/Expert Services (*project/client*)]

1. 2023-24. Financing Sustainable and Responsible Global Aquaculture Report (Black tiger shrimp in Bangladesh), World Bank-Meridian Institute, USA;
2. 2023-24. Updating Integrated Resource Management Plan (IRMP) for the Sundarbans, IUCN;
3. 2023. Supporting the brief assessment (KSN), Appraisal Mission and Proposal of the new regional TC module SUNDAR-BAY, GIZ;
4. 2022. Mid-term review of Multi-stakeholder partnership (MSP) to strengthen transformative processes for the protection of mangrove ecosystems in South Asia, GNF, Germany;
5. 2022. Physical mission lead and backstopping support to develop Marine Protected Area-Swatch of No Ground 2022-25; SoNG project), GIZ;

6. 2020. Feasibility of establishing a Center of Excellence for Climate Resilient Coastal Food System in Khulna University, Solidaridad Network Asia;
7. 2020. Scoping Study on Artificial Crab Feed Development in Bangladesh, Christian Aid/NGF;
8. 2020. Market development for WH-based products through capacity building trainings and consumer networking, Blue Gold Innovation Fund, Mott Macdonald;
9. 2019. Impact evaluation of crab value chain development sub-project of PKSF/NGF;
10. 2018. Baseline study on Employment Creation and Income Generation of Entrepreneurs through Crab Culture Technology sub-component of PACE project, PKSF/NGF;
11. 2018. Social Compliance in Bangladesh Shrimp Sector, Solidaridad Network Asia;
12. 2018. Co-PI, Ecosystem Values in the Bangladesh Blue Economy Development Agenda, Univ of Plymouth/EU
13. 2017. Co-PI, Blue Economy in South West of Bangladesh: Major Opportunities and Constraints, Univ of Plymouth/EU
14. 2017. Equitable and gender empowering labour market outcomes for workers in shrimp processing industries of Bangladesh, Solidaridad Network Asia;
15. 2017. Shrimp Position Paper for Sustainable Growth of Bangladesh Shrimp Sector, Solidaridad Network Asia;
16. 2015: Review of existing policies, laws and strategies for use of faecal sludge in aquaculture, FSM Project, SNV Netherlands;
17. 2014: National Evaluation Expert (BEST project independent evaluation), UNIDO;
18. 2014: Training and supervision on activities related to viral and bacterial analyses of samples from shrimp and prawn hatcheries (USAID/WorldFish, Bangladesh);
19. 2014: Value Chain Study on Mud Crab Fattening in Bangladesh (Catalyst/Innovision)
20. 2013: Effects of personal hygiene and associated practices on the microbial quality of water used for various purposes (SaniCon-Asia-Phase II, Kyoto University, Japan);
21. 2012: Activity to Improve the Living Environment of Urban Slum Aiming at Resource Recycling in Khulna City (Japan Fund for Global Environment (JFGE);
22. 2012: Impact analysis of GHERS project (USAID/WorldFish, Bangladesh);
23. 2012: Shrimp Supply Chain Simplification (BEST-BFQ, UNIDO);
24. 2012: Homestead production system as part of CPWF Ganges Project G2, (CGIAR/WorldFish, Bangladesh);
25. 2011: Institutional Analysis as part of BATP (USAID/WorldFish, Bangladesh);
26. 2010: Urban Sanitation (Japan Association of Drainage and Environment (JADE));
27. 2010: Water flow analysis of Khulna City Corporation (SaniCon-Asia, Kyoto, Japan);
28. 2009: Social issues in Bangladesh shrimp sector (WWF/WorldFish, Malaysia).

[Funded Research Projects (*funding source*)]

1. 2020-22. Improving fish feeds and feeding systems for resource-poor farmers (Wageningen University, Netherlands and WorldFish Bangladesh);

2. 2020-21. Blue Governance of Bangladesh Delta (Global Challenge Research Fund, UK)
3. 2020-21. Production of freshwater prawn PL in earthen nursery system (Grants for Advance Research in Education (GARE), Ministry of Education, GoB);
4. 2018-20. Selection of mangrove species to optimise aquaculture based livelihoods and biodiversity in climate smart designed polders of Bangladesh (Mangrove-Polders) (Food and Business Applied Research Fund (ARF) of the Netherlands Organisation for Scientific Research (NWO);
5. 2018-19. Development of value added products from water hyacinth to support alternative livelihoods and ecological resilience in coastal villages of southwest Bangladesh. (Blue Gold Innovation Fund, Mott Macdonald);
6. 2018-19. Piloting research on the intervention program to encourage the sanitation relating behavior change in the urban slums at the developing countries (UMDS/Kyoto University);
7. 2017-18. Bacterial flora associated with freshwater prawn hatchery system with particular focus on antibiotic resistant *Vibrio* spp (GARE, Ministry of Education, GoB);
8. 2016-17. Effectiveness of probiotics uses in extensive shrimp farming (Solidaridad);
9. 2015-16. Impact of treated faecal sludge on fish growth and associated health risk (FSM Project, SNV Netherlands);
10. 2015. Monitoring biodiversity indicators: an endline survey of biodiversity indices and community perception (SDBC-Sundarbans, GIZ);
11. 2014-16. Multiplex PCR-based rapid screening of white spot virus and pathogenic bacteria in shrimp for increased farm productivity and export performance (BAS-USDA-PALS);
12. 2013-14. Biodiversity assessment through field survey in association with remotely sensed data and geographical information system (GIS) in selected coastal areas adjacent to the Sundarbans (SDBC-Sundarbans, GIZ);
13. 2014. Mainstreaming of eccentric aquatic production system as a climate adaptive alternative livelihood strategy for the coastal community (Grants for Advanced Research in Science, Ministry of Education, Bangladesh);
14. 2013. Production performance of over-wintered freshwater giant prawn (*Macrobrachium rosenbergii*) in polyculture with carp (*Cyprinus carpio*) for an early crop (Grants for Advanced Research in Science, Ministry of Education, Govt. of Bangladesh);
15. 2013-14. Efficacy of potassium di-formate as an alternative to antibiotic growth promoter in freshwater prawn *Macrobrachium rosenbergii* (IDRS-BFRI);
16. 2013. Coping with shrimp white spot syndrome virus through application of PCR technology that employ non-patented bulk reagents affordable by the farmers (IDSR-BFRI);
17. 2013. Production performance of over-wintered freshwater giant prawn (*Macrobrachium rosenbergii*) in polyculture with common carp (*Cyprinus carpio*) for an early crop (Education Ministry, Bangladesh);
18. 2011-12. Coordinated Sub-project on Improvement of Agro forestry Practices for Better Livelihood and Environment (SPGR program of BARC);
19. 2010. Cryopreservation of Endangered Species Silver Barb, *Puntius gonionotus* (Science and ICT Ministry, Bangladesh);
20. 2009-11. SaniCon-Asia - Sanitation Constraints Classification and Strategy Development in Asian Cities (Ministry of Environment, Japan through Kyoto University ELM program);

21. 2006. Identification of the sources of nitrofuran and its derivatives and chloramphenicol in shrimp (Scoping study funded by Bangladesh Fisheries Research Forum);
22. 2005. Marketing and value chain analysis of mud crab (*Scylla serrata*) in the coastal communities of Bangladesh (DFID, UK through University Grants Commission);
23. 2005. Development of a low-cost aqua feed from shrimp processing discards: an integrated approach toward mitigating environmental pollution through biological waste recycling (Science and ICT Ministry, Bangladesh);
24. 2004. Development of options for utilization of shrimp processing wastes by female processors (DFID, UK through University Grants Commission of Bangladesh).

[Publication in Peer-Reviewed Scientific Journals]

International ISI-indexed Journals:

1. Aktar, S., Parvez, M.S., Roy, N., Jahan, I., Islam, M.N., Jahan, N., Khatun, M.M., Rahman, S.M. and Ahsan, M.N. (2025). Comparative Evaluation of the Zootechnical Performance, Body Composition, Haemato-Biochemical Profile, and Enzymatic Activity of Nile tilapia (Oreochromis niloticus) Cultured in Biofloc and Conventional Rearing Systems, Aquaculture Research, https://doi.org/10.1155/are/6644560
2. Debnath, S., Parvez, MS, Sadia, S, Hossain, KMR and **Ahsan, MN** (2025). Effect of Dietary Protein Levels on Growth, Body Composition, and Haematology of Tilapia in Biofloc Without Solid Management System, Aqua Fish & Fisheries, 5 (1): e70046;
3. Ahmed, MU, Alam, MI, Debnath, S., Debrot, AO, Rahman, MM, **Ahsan, MN** and Verdegem, MCJ (2023). The impact of mangroves in small-holder shrimp ponds in south-west Bangladesh on productivity and economic and environmental resilience, Aquaculture, 571:739464;
4. Alam, MI, Ahmed, MU, Yeasmin, S., Debrot, AO, **Ahsan, MN** and Verdegem, MCJ (2022). Mangrove forest conservation vs shrimp production: Uncovering a sustainable co-management model and policy solution for mangrove greenbelt development in coastal Bangladesh, Forest Policy and Economics, 144, 102824;
5. Alam, MI, Ahmed, MU, Yeasmin, S., Debrot, AO, **Ahsan, MN** and Verdegem, MCJ (2021). Effect of mixed leaf litter of four mangrove species on shrimp post larvae (Penaeus monodon, Fabricius, 1798) performance in tank and mesocosm conditions in Bangladesh; *Aquaculture*, 551:737968;
6. Debnath, S., Ahmed, MU, Parvez, S and **Ahsan, MN** (2021). Effect of stocking density on growth performance and body composition of climbing perch (Anabas testudineus) in biofloc system. *Aquac Int*, https://doi.org/10.1007/s10499-021-00812-4;
7. Chuaa, M., Ahsan, M.N., Sakai, A., Fujii, S., Goto, S., Kodera, M. and Harada, H. (2021). Seasonal and gender impacts on fecal exposure trends in an urban slum, *J Wat Health*, 19, No 6, 946 doi: 10.2166/wh.2021.111;
8. Alam, MI, Debrot, AO, Ahmed, MU, **Ahsan, MN** and Verdegem, MCJ (2021). Synergistic effects of mangrove leaf litter and supplemental feed on water quality, growth and survival of shrimp (Penaeus monodon, Fabricius, 1798) post larvae, *Aquaculture* 545:7337237;
9. Alam MI, **Ahsan MN**, Debrot, AO and Verdegem, MCJ (2021). Nutrients and anti-nutrients in leaf litter of four selected mangrove species, *Aquaculture*, 542, https://doi.org/10.1016/ j. *Aquaculture*. 736865;

10. SM Rahman, MA Habib, AR Khan, **MN Ahsan**, ST Arafat, MM Rahman, AS Alsaqufi, RT Mathew, YN Alrashada and YA Alkhamis (2021). Cryopreservation studies on Silver carp (Hhypophthalmichthys molitrix) embryos, *Cryoletters* 42:178-187;

11. AO Debrot, A Veldhuizen, SWK van den Burg, CJ Klapwijk, MN Islam, MI Alam, **MN Ahsan** et al., (2020). Non-Timber Forest Product Livelihood-Focused Interventions in Support of Mangrove Restoration: *Forests*, 11:1-17;
12. KS Rahman, M N Islam, M U Ahmed, R H. Bosma, A O. Debrot and **M. N. Ahsan** (2020). Selection of mangrove species for shrimp based silvo-aquaculture in the coastal areas of Bangladesh, *J Coast Conserv* 24, 59 (2020). https://doi.org/10.1007/s11852-020-00770-8;
13. M.M.Rahman, R. Biswas, L. Gazi, S.T. Arafat, M.M. Rahman, M. Asaduzzaman, S.M. Rahman and **M.N. Ahsan** (2020). Annually twice induced spawnings provide multiple benefits: Experimental evidence from an Indian major carp (*Catla catla*, Hamilton 1822), *Aquaculture Res*, 51: 2275-2290;
14. Momotaz, K., Rouf, M.A. **Ahsan, M.N**., Noman, S and Tomljanović T. (2020). Morphological characteristics, growth and age structure of allochthonous fish pumpkinseed, *Lepomis gibbosus* in Bara Lake, Croatia, *Bulgarian J of Agri Sci*, 26: 213-222;
15. SM Rahman, AS Alsaqufi, YA Alkhamis, MM Rahman, **MN Ahsan**, RT Mathew and QZ Hossain (2020). Short Term Storage of Asian Walking Catfish (Clarias batrachus Linnaeus, 1758) Gametes. *Adv Ani Vet Sci*, 8: 1394-1401.
16. H. Harada, Y. Fujimori, R. Gomi, **M. N. Ahsan** and T. Matsuda. (2018). Pathotyping of Escherichia coli isolated from community toilet wastewater and stored drinking water in a slum in Bangladesh. *Letters Applied Microbiol*, 66: 542-548;
17. Rouf, Muhammad Abdur; Rahman, Md. Moshiur; Rahman, Sk Mustafizur; and **Ahsan, Md Nazmul** (2019). Coming Stakes in the Ocean: Food Production, Shipping and Trade, Tourism, Ecosystem-biodiversity, New Technologies and Climate Change Challenges in Bangladesh, *J Ocean Coastal Econ*: Vol. 6: Iss. 2, Article 5. doi.org/10.15351/2373-8456.1102;
18. Min-Li, C., H. Harada, S. Fujii, M. Kodera, S. Goto, **M. N. Ahsan,** S. R. Saha and Akira Sakai (2017). Comparison in Fecal Exposure Assessment of Three Transmission Pathways in a Bangladeshi Urban Slum Community, *J Env Sys Eng*, 31: 145-148.
19. M. K. Ahmmed, F. Ahmmed, K. A. Kabir, M. F., S. I. Ahmed and **M. N. Ahsan** (2017). Biochemical impacts of salinity on the catfish, *Heteropneustes fossilis* (Bloch, 1794) and possibility of their farming at low saline water. *Aquaculture Res*, 48: 4251-4261.
20. Rouf, M.A., Istiak, S., Shariar, M., Sarower, M.G. and **Ahsan, M.N.** (2016). Taxonomic Clarification of Mud Crab Species of Genus *Scylla* (Brachyura: Portunidae) Available in the Coastal Regions of Bangladesh, *Asian Fisheries Sci* 29:124-136.
21. S. M. Rahman, **M. N. Ahsan**, Abdullah-Al-Mamun, Md. M. Rahman, Md. M. Hasan and Md. A. H. Chisty (2014). Evaluating the Suitability of Cryoprotectants and Cryopreservation Solutions for Olive Barb, Puntius Sarana. *Proc. Natl. Acad. Sci., India, Sect. B Biol. Sci*. DOI 10.1007/s40011-014-0339-2.
22. S.M. Rahman, M.A. Habib, Q.Z. Hossain, M.N. Siddiqui, M.M. Rahman and **M.N. Ahsan** (2011). Embryonic development of *clarias batrachus* under the influence of aeration and water flow. *Ecoprint* 18: 25-31;
23. H. Makoto, **M. N. Ahsan**, M. Hiroshi and S. Watabe (2008). CYR61 is a novel gene associated with temperature-dependent changes in fish metabolism as revealed by cDNA microarray

analysis on a medaka *Oryzias latipes* cell line. *J. Cell. Biochem*. 104:1297-310;

24. M. N. Islam, M. A. Hossain and **M. N. Ahsan** (2007). Development of a PCR-based protocol for WSSV screening for major crustaceans inhabiting cultured shrimp farm. Int. J. Sustain. Crop Prod. 2(4):9-17;
25. **M. N. Ahsan,** H. Aoki, and S. Watabe (2006).Characterization of cDNA clones encoding two distinct cathepsins with restricted expression pattern in a marine pelagic fish. *Mol. Biol. Report* 33: 233-241;
26. **M. N. Ahsan,** H. Aoki, and S. Watabe (2005). Overexpression in *Escherichia coli* and functional reconstitution of anchovy trypsinogen from bacterial inclusion body. *Mol. Biotech.* 30: 193-201;
27. H. Aoki, **M. N. Ahsan**, and S. Watabe (2004). Molecular and enzymatic properties of a cathepsin L-like proteinase with distinct substrate specificity from northern shrimp (*Pandalus borealis*). *J. Comp. Physiol.* 174B:59-69;
28. H. Aoki, **M. N. Ahsan**, K. Matsuo, T. Hagiwara, and S. Watabe (2004). Partial purification of proteases that are generated by processing of the Northern shrimp *Pandalus borealis* and which can tenderize beef. *Int. J. Food Sci. Tech*. 39: 1-10;
29. H. Aoki, **M. N. Ahsan**, K. Matsuo, T. Hagiwara, and S. Watabe (2003). Purification and Characterization of Collagenolytic Proteases from the Hepatopancreas of Northern Shrimp (*Pandalus eous*), *J. Agric. Food Chem*. 51: 777-783;
30. H. Aoki, **M. N. Ahsan**, and S. Watabe (2003). Heterologous Expression in *Pichia pastoris* and Single–Step Purification of a Cysteine Proteinase from Northern Shrimp. *Prot. Expr. Puri.* 31: 213-221;
31. H. Aoki, **M. N. Ahsan**, and S. Watabe (2003). Molecular Cloning and Functional Characterization of Crustapain: a distinct cysteine proteinase with unique substrate specificity from northern shrimp *Pandalus borealis. J. Biochem.* 133: 799-810;
32. Aoki, H., **Ahsan, M. N.** and Watabe, S. (2003). Molecular cloning and characterization of cathepsin B from the hepatopancreas of northern shrimp *Pandalus borealis Comp. Biochem. Physiol.* 134B: 681-694;
33. **Ahsan, M. N.**, Funabara, D. and Watabe, S. (2002). Anchovy trypsin: Purification, cDNA cloning, and molecular modeling of two isoforms. *Fisheries Sci.* 68 (Suppl.): 1563-1566;
34. **Ahsan, M. N.**, Funabara, D. and Watabe, S. (2001). Molecular cloning and characterization of two isoforms of trypsinogen from anchovy pyloric ceca. *Mar. Biotechnol.* 3: 80-90;
35. **Ahsan, M. N.** and Watabe, S. (2001). Kinetic and structural properties of two isoforms of trypsin isolated from the viscera of Japanese anchovy, *Engraulis japonicus*. *J. Prot. Chem.* 20 (1): 49-58;
36. Ochiai, Y., Ahmed, K., **Ahsan, M. N.**, Funabara, D., Nakaya, M. and Watabe, S. (2001). cDNA cloning and deduced amino acid sequence of tropomyosin from fast skeletal muscle of white croaker *Pennahia argentata*. *Fisheries Sci.* 67: 556-558;
37. Yoneda, C., **Ahsan, M. N.**, Nakaya, M., Matsubara, Y., Ebihara, T., Irie S., Uno, Y., Hatae, K. and Watabe, S. (2000). Abalone collagens: immunological properties and seasonal changes of their mRNA levels. *Comp. Biochem. Physiol.* 126B: 59-68.

Local Non-indexed Journals:

1. M.A. Asad, **M.N. Ahsan** and S.K. Saha (2017). Economic analysis of rice-prawn-shrimp farming practices in south-west coastal Bangladesh. *Khulna University Studies*, 14: 129-136;
2. Hasan, M. M., Nahar, S., Arafat, S. T., Debnath, S., Parvez, M. S., Rahman, S. M. and **Ahsan, M. N.** (2016). Proximate composition of edible aquatic vegetables: A preliminary assessment of four species from Bangladesh. Khulna University Studies, 13 (1): 49-53;
3. Parvez, M. S., Mohiuddin, M., **Ahsan, M. N**., Aktar, S. and Sultana, S (2015). Effect of Growth Promoter on the Total Bacterial Load in *Anabas testudineus* Culture Ponds (2015). Int. Journ. for Res. in App. Sci. & Eng. Tech. (IJRASET), 03 (1): 175-179;
4. **Ahsan, M. N**., Parvez, M. S., Rouf, M. A. and Akter, S (2014). Production performance of over-wintered freshwater giant prawn (Macrobrachium rosenbergii) in polyculture with common carp (Cyprinus carpio) for an early crop. Journal of Research in Agriculture and Animal Science, 02(11): 7-13;
5. M. S. Parvez, M. A. H. Chisty, S. M. Rahman, **M. N. Ahsan**, S. Debnath and M. U. Ahmed (2013). Determination of in vivo protein digestibility of different feed ingredients for walking catfish, *Clarias batrachus*. *IRJALS* 2 (5): 1 – 9;
6. S.M. Rahman, S.M. Asaduzzaman, **M.N. Ahsan**, Q.Z. Hossain, M.M. Rahman and M.A.H. Chisty (2012). Optimizing the stocking density is crucial for growth and survival of catfish, *Clarias batrachus* larvae. *Int. J. Biosci.* 2:103-109;
7. M.M. Rahman, S.M. Rahman, M.K. Islam, H.M.R. Islam and **M.N. Ahsan** (2009). Aquarium business: a case study in Khulna district, Bangladesh. *Bangladesh Res. Pub. J.* 2(3):564-570;
8. M.M. Rahman, S.M. Rahman, M.A. Asad, M.K. Hossain and **M.N. Ahsan** (2009). Economic analysis of ornamental fish trade in Khulna district of Bangladesh. *Int. J. Ani. Fish. Sci.* 2(2): 176-181;
9. M.M. Rahman, M.M. Hasan, M.M. Rahman, M. Hasan and **M.N. Ahsan** (2008). Mud crab (*Scylla serrata*) trading in south-western region of Bangladesh. *South Asian J Agri.* 3(1&2):173-180;
10. V. Biswas, M.N. Islam, M.N. Siddiqi, and **M.N. Ahsan** (2008). Optimization of DNA extraction from shrimp tissues. *Khulna Univ. Studies*, 9(2): 239-242;
11. A.A. Airin, N.M. Khatun, AM.H.B. Tareque, B. Biswas and **M.N. Ahsan** (2007). Status and options for alternative livelihood of female workers in the shrimp processing industries through utilization of shrimp processing wastes in Khulna Region. *South Asian J Agri.* 2: 39-44;
12. G. Sarker, M.M. Khatun and **M.N. Ahsan** (2007). Length-weight relationship and condition factor of *Puntius stigma* from Chanda beel, Gopalgonj. *J. Sci. Technol*. 5: 144-148.
13. M.N. Islam, M.R Ali, M.M. Khatun, AM.H.B. Tareque and **M.N. Ahsan** (2006). Development of a protocol for PCR-based rapid identification of white spot syndrome virus in the tiger shrimp *Penaeus monodon* Fab. *Bangladesh J Genet Biotectch* 7: 55-62;
14. M.M. Rahman, D. Biswas, AM.H.B. Tareque and **M.N. Ahsan** (2006). All male and mixed sex prawn production under poly culture with carps, *Khulna Univ Studies* 7:89-96;
15. Mondal, S.C., **M.N. Ahsan**, S.M.E. Ershad, S.M. Rahman and M.M. Rahman (2006). Performance of silver carp (*Hypophthallmicthys molitrix*) in integrated culture with chicken in rural polyculture ponds. *Bangladesh J of Life Sci*, 18: 87-95;
16. S. M. A. Sobhan, M. M. Khatun, A. M. H. B. Tareque and **M. N. Ahsan** (2005). Present status of biological waste management in shrimp processing industries of Bangladesh. *J. Subtrop. Agril. Res.*

Dev. 3 (1): 61-66;

17. S. C. Mondal, **M. N. Ahsan**, M. H. Rashid, A. Razzaque and S. M. Rahman (2005). Production performance of *Macrobrachium rosenbergii* (De Man) with carps in polyculture system under field condition. *J. Sci. Tech*. 3: 36-40;
18. **M. N. Ahsan**, A. H. Airin and M. R. Ara. (2004). Alternative livelihood options for female workers in shrimp processing industries of Bangladesh. *Bangladesh J. Fish.* 27 (special issue): 77;
19. S. M. Rahman, M. A. Bari, M. A. Rahman, M. M. Rahman and **M. N. Ahsan**. (2004). Fecundity, gonado-somatic index (GSI) and sex ratio of snake head, *Channa punctatus* (Bloch, 1974). *J. Subtrop. Agril. Res. Dev.* 2 (1): 1-9;
20. SM Rahman; MN Haque; MN Siddiqui; H Ara and **MN Ahsan**. 2004. Proximate composition of six shrimp species in Bangladesh. *Rajshahi Univ J Zool.* 23:13-16;
21. **M. N. Ahsan,** M. G. Sarower, S.B. Rahman, M.A. Sayeed, and M.N. Islam (2001). On the environment friendly improved extensive culture of *Penaeus monodon*. *Khulna Univ. Studies* 2 (1): 91-96;
22. Taylor, S. E., **Ahsan, M. N.**, Rouf, M. A. and Rahman, S. M. (1999). Age-length relationship of freshwater giant prawn (*Macrobrachium rosenbergii* de Man) larvae of a private hatchery. *Bangladesh J. Fish.* 22 (2): 119-123;
23. **Ahsan, M. N.** and Chakraborty, S. C. (1997). Effect of brood source on the growth of rohu (*Labeo rohita* Ham.) fingerlings reared in glass tanks with formulated diets. *Bangladesh J. Fish. Res.* 1 (2): 47-54.

[Peer Reviewed Workshop Proceedings]

1. H. Harada, C. Min-Li, Y. Fujimori, S. Fujii, M. N. Ahsan and A. Sakai (2017). Fecal exposure analysis and *E. coli* pathotyping: a case study of a Bangladeshi slum. International Symposium on Green Technology for Value Chains, 23-24 October 2017, Jakarta, Indonesia.
2. Parvez, M. S., Saha, S. R., Debnath, S. and Ahsan, M. N. (2017). Effect of Echerichia coli fortification in tilapia reared in indoor static water system. 14th Annual Scientific Conference-2017 of Chittagong Veterinary and Animal Science University. pp. 21-24.
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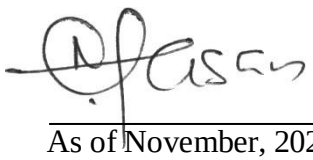

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