

Curriculum Vitae

Mahmudul Hasan



Current Position:

Associate Professor &
Director, Research Cell

Contact Address:

Department of Fisheries
Jamalpur Science & Technology University
Melandah, Jamalpur-2012, Bangladesh
E-mail: mhasan.fish@gmail.com/mhasan@jstu.ac.bd
Mobile: +88-01714892205
Website: <http://www.mhasanbd.com>

Nationality: Bangladeshi

Birth Date: 31 December, 1981

Educational Qualifications:

<u>Institution</u>	<u>Major</u>	<u>Degree, year</u>	<u>Division</u>
Hiroshima University, Japan	Molecular Biology	Postdoc, 2015	
Hiroshima University, Japan	Biological Science & Evolutionary Biology	Ph.D., 2012	Passed
Bangladesh Agricultural University, Bangladesh	Fisheries Biology and Genetics	M.S., 2007	First Class (3 rd position)
Bangladesh Agricultural University, Bangladesh	Fisheries Science	B.Sc., 2006	First Class (6 th position)
Dhaka College, Bangladesh	Science	H.S.C., 1999	First Division
Hatirdia S.A. Model High School, Narsingdi, Bangladesh	Science	S.S.C., 1997	First Division*

My expertisation:

My expertise encompasses the evolutionary links of both fish and anurans in Bangladesh and, more widely, in Asia. Primarily, I intend to delineate novel species of fish and frogs. My expertise encompasses taxonomy, ecology, physiology, and conservation science to analyze two critically sensitive vertebrate groups. I employ morphology, bioacoustics, and molecular techniques to identify species, while also documenting their life cycles, reproductive strategies, and environmental requirements. This skill facilitates biodiversity evaluation, disease surveillance, and ecosystem monitoring, as fish and amphibians exhibit rapid responses to environmental changes. Utilized knowledge directs sustainable fisheries, captive breeding, and wetland restoration, mitigating extinction risks.

Teaching/Research Experiences

Position/Category	Place	From	To	Duration
Researcher (Post doctoral)	Amphibian Research Center, Hiroshima University, Japan	April 01, 2012	March 31, 2015	3 years
Assistant Professor	Amphibian Research Center, Hiroshima University, Japan	April 01, 2015	March 31, 2016	01 Year
Assistant Professor	Department of Fisheries Biology & Genetics, Sheikh Fazilatunnesa Mujib Fisheries College, Jamalpur, Bangladesh	August 08, 2016	January 31, 2018	1 year 05 Months 24 Days
Associate Professor	Department of Fisheries Biology & Genetics, Sheikh Fazilatunnesa Mujib Fisheries College, Jamalpur, Bangladesh	February 01, 2018	May 22, 2019	01 year 03 Months 22 Days
Assistant Professor	Department of Fisheries, JSTU	May 23, 2019	March 02, 2026	6 Years 09 Months 08 Days
Associate Professor	Department of Fisheries, JSTU	March 03, 2026	To date (July 24, 2026)	4 Months 22 Days
Total				14 Years 03 Months 24 Days

Administrative responsibilities:

1. **Director** (A.), Research Cell, Jamalpur Science and Technology University, Jamalpur-2012 (25.01.2023- To Date)

Successfully Completed Projects:

1. “Cryptic biodiversity of freshwater species in Bangladesh”, serving as **Principal Investigator**. Funded by Ministry of Science and Technology, Bangladesh. [FY 2018-2019 (no. BS-75, amount: 200,000 BDT), 2019-2020 (no. BS-301, amount: 200,000 BDT), 2020-2021 (no. BS-313, amount: 250,000 BDT)]
2. “Genetic diversity of fishes in the Brahmaputra River revealed by mitochondrial DNA analyses”, serving as **Principal Investigator**. Funded by Research Cell, Jamalpur Science and Technology University, Jamalpur-2012, Bangladesh. [FY 2020-2021, amount: 100,000 BDT]
3. “Morphology, ecology and mtDNA analyses of loach fishes in Bangladesh”, serving as **Principal Investigator**. Funded by University Grant Commission (UGC), Bangladesh. [FY 2020-2021, amount: 300,000 BDT]
4. “Whole Genome Sequence (WGS) of Rohu fish (*Labeo rohita*)”, serving as **Principal Investigator**. Funded by Jagaroni Chakra Foundation (JCF), Jashore-7400, Bangladesh. [FY 2022-2023, amount: 800,000 BDT]
5. “Integrative taxonomy approach to reveal the hidden biodiversity of fishes from the Transboundary Rivers of north-eastern area in Bangladesh”, serving as **Principal Investigator**. Funded by Research Cell, Jamalpur Science and Technology University, Jamalpur-2012, Bangladesh. [FY 2023-2024, amount: 200,000 BDT]
6. “Assessing and cataloging diversity of amphibians and marine reptiles in Bangladesh using integrative taxonomy approach through DNA barcoding and morpho-meristic study”, serving as **Principal Investigator**. Funded by Sustainable Forests & Livelihoods (SUFAL), Ban Bhaban Agargaon, Dhaka, Ministry of Environment, Forest and Climate Change, Bangladesh. [FY 2023-2024, amount: 38,05,478 BDT]

Ongoing Projects:

1. “Uncover the concealed diversity of barb fishes (Cypriniformes, Cyprinidae) in Bangladesh through the utilization of DNA and morphological data”, serving as **Principal Investigator**. Funded by Research Cell, Jamalpur Science and Technology University, Jamalpur-2012, Bangladesh. [FY 2025-2026, amount: 200,000 BDT]

Ph.D. Thesis: Cryptic anuran biodiversity in Bangladesh with description of a new species of genus *Hoplobatrachus* (Anura, Dicroglossidae)

M.S. Thesis: Study on growth performance and some aspects of biology of Thai koi *Anabas testudineus* (Bloch, 1792)

Awards and Scholarships:

1994: Bipul Shriti Scholarship in class 7

1995: Merit Scholarship in Class 8

1996: Scholarship of Bangladesh Udichi Shilpi Ghosti Parishad [History of Bangladesh Independence]

1997-1999: Merit Scholarship for excellent result in S.S.C. (class 10)

2006-2007: N.S.T. (National Science & Technology) fellowship from Ministry of Science and Technology, Bangladesh

2008: Monbukagakusho Scholarship by Japan Government for pursuing a Ph.D. degree

2014: Fellowship of Special Postdoctoral Researcher, Hiroshima University, Japan

Memberships in Professional Associations:

Reviewer: Amphibian Group, Bangladesh (IUCN 2026,)

Life member of *Bangladesh Fisheries Research Forum*

Life member of *Zoological Society of Bangladesh*

Life member of *Bangladesh Association for Biotechnology*

Life member of *Krishibid Institution of Bangladesh*

Life member of *Japanese Universities Alumni Association in Bangladesh (JUAAB)*

Member of *International Herpetological Committee (2024-2032)*

Member of *Canadian Herpetological Society*

Member of *Australian Society of Herpetologists*

Service as a Reviewer: Scientific Papers

Zootaxa

PLOS ONE

Ecology & Evolution

Research publications:

- 1) M. Z. Hossain, M. A. Shahariar, R. F. Rakhi, M. S. Alam, M. A. Hossain, M. Das, **M. Hasan** and M. S. Alam. 2026g. Silver nanoparticles as a dietary supplement: effects on growth and hematological health of striped dwarf catfish (*Mystus vittatus*). Fisheries and Aquatic Sciences (Accepted).
- 2) S. Islam, M. S. Rahman, R. Ahmed, M. N. Haider, **M. Hasan**, M. S. Alam and M. S. Alam. 2026f. Emerging roles of probiotics, prebiotics, and synbiotics in fish gut health and oxidative stress regulation. [Ecology Journal- 8\(1\):63-73.](#)
- 3) S. A. Haque, S. M. A. Jufaili, M. F. Islam, **M. Hasan**, M.M. Lotfy, M. S. Rahman and N. A. Habsi. 2026e. Sustainable valorisation of fish processing byproducts through integrated biorefinery approaches. [Discover Food. 6\(160\).](#)
- 4) M. S. Alam, R. F. Rakhi, I. Rashid, **M. Hasan** and K. F. Kanon. 2026d. Smart proteins and functional additives for fishmeal replacement in aquaculture: Decision frameworks,

species-specific limits, and practical pathways. [Egyptian Journal of Aquatic Biology and Fisheries. 30\(1\)2313-2338.](#)

- 5) **M. Hasan**, M. N. Hoque, M. U. Hossain and T. Islam. 2026c. Genome Assembly and Population Structure of the Jamuna River Rohu Fish (*Labeo rohita*) Reveal Distinct Lineage and Valuable Genetic Resources. Turkish Journal of Fisheries and Aquatic Sciences. In review.
- 6) M. T. Pingki, M. S. Hossain, **M. Hasan**, S. N. Bilasi, and M. M. Rahman. 2026b. Ethical consideration of wildlife research in Bangladesh. Bangladesh Journal of Zoology. 53(3): 389-410.
- 7) M. S. Alam, R. F. Rakhi, I. Rashid, **M. Hasan** and K. F. Kanon. 2026a. Smart proteins and functional additives for fishmeal replacement in aquaculture: Decision frameworks, species-specific limits, and practical pathways. Egyptian Journal of Aquatic Biology and Fisheries. 30(1): 2313-2338.
- 8) M. R. Bari, H. Rahman, S. Sultana, J. Khandaker, R. Zim and **M. Hasan**. 2025d. Current status and richness of fishes in the old Brahmaputra river of Bangladesh. Research in Agriculture, Fisheries and Livestock. 12(2):295-306.
- 9) **M. Hasan**, C. Kambayashi, Z. H. Anik and M. S. Islam. 2025 c. Cryptic biodiversity of freshwater fish species in Bangladesh. PLOS ONE, 20(4): e0318982.
<https://doi.org/10.1371/journal.pone.0318982>
- 10) M. R. B. Mamun, R. Zim, M. A. Islam and **M. Hasan**. 2025b. Comparative analysis of different DNA extraction methods for animal tissues. Proceedings of Jamalpur Mujib Science and Technology University. Accepted; x(x):xxx-xxx
- 11) M. Hasan, C. F. Lin, H-C. Sung, J. Yoon and M. Sumida. 2025a. Comparative morphology and advertisement calls of *Microhyla fissipes* and *M. heymonsi* from Taiwan. Taprobanica. Taprobanica; 14 (2): 188-194
- 12) **M. Hasan**, S. Jannat and M.A. Rahman. 2024f. Assessment of vertebrate diversity in Sherpur Reserve Forest, Bangladesh. Journal of Biodiversity and Bioresource Management. 10(2):79-86.
- 13) A. Yasmin, F. Khatun, S. A. Rahman, Z. H. Anik and **M. Hasan**. 2024e. Infectious and Non-Infectious diseases of farm animals in Natore District of Bangladesh. Research in Agriculture, Livestock and Fisheries, 11(3): 327–341.
- 14) A.V. Trofimets, C. Dufresnes, P. Pawangkhanant, A. M. Bragin, V. A. Gorin, M. Hasan, H. T. Lalremsanga, M. A. Muin, D. X. Le, T. V. Nguyen, C. Suwannapoom and N. A. Poyarkov. 2024d. Four in one: an integrative taxonomic revision of the *Microhyla berdmorei* complex (Amphibia: Anura: Microhylidae) illustrates the tremendous amphibian diversity of Southeast Asia. Vertebrate Zoology, 74: 595–641.

- 15) M. S. Alam, M. A. Shahariar, M. Z. Hossain, J. F. Urmi, M. Hasan, M. M. I. Masum, A. K. M. A. Shah, M. Hasan and Z. Rahman. 2024c. Biosynthesis of Gold Nanoparticles and Its Impacts on Striped Dwarf Catfish (*Mystus Vittatus*) As Feed Additives. *Aquaculture Reports*. 39:102446.
- 16) **M. Hasan**, Z. H. Anik and I. I. Tusar. 2024 b. The biodiversity of fish in transboundary rivers from north-eastern Bangladesh. *Bangladesh Journal of Fisheries*. 35(2): 155–169.
- 17) R. F. Rakhi, M.A. Sultana, M.G.K. Khan, Z. Rahman, **M. Hasan**, S.M. Rafiquzzaman and M. S. Alam. 2024a. Morpho-meristic Analysis of Great Snakehead (*Channa marulius*) Collected from the Lowland Ecosystem in Bangladesh and its Future Implications. *Iranian Journal of Fisheries Science*. 23(2): 207–221.
- 18) **M. Hasan**, Z. H. Anik and A. Kurabayashi (2023). Assessment of fish biodiversity in the Padma river from Farakka Barrage point to the Shampur Nagar Ghat, Rajshahi, Bangladesh. *Bangladesh Journal of Fisheries*, 35 (1): 13–23.
- 19) P. Thongproha, J. Chunksula, Y. Sringurngamb, L. Wairpromb, S. Makchaid, M. Cotad, P. Duengkae, S. Duangjaie, **M. Hasan**, C. Chuaynkerna, Y. Chuaynkerna. 2022d. A new species of the genus *Hoplobatrachus* Peters, 1863 (Anura Dicroglossidae) from northwestern Thailand. *Agriculture and Natural Resources*. 56: 1135–1152.
- 20) **M. Hasan**, N. Kurniawan, A. Soewondo, W. M. M. Nalley, M. Matsui, T. Igawa and M. Sumida. 2022c. Postmating isolation and evolutionary relationships among *Fejervarya* species from Lesser Sunda, Indonesia and other Asian countries revealed by crossing experiments and mtDNA Cytb sequence analyses. *Ecology and Evolution*, 12:e9436.
- 21) **M. Hasan** and M.S. Islam. 2022b. Collection, preservation and identification of freshwater fish species in middle to north-east Bangladesh with special notes on phenotypic plasticity of few species. *World Journal of Biology and Biotechnology*, 7 (2): 7–13.
- 22) **M. Hasan**, Z. H. Anik and A. Kurabayashi. 2022a. Wildlife biodiversity of the Padma River Island, Rajshahi with special notes on operation of sand Snake (*Psammophis Condanarus*) (Merrem, 1820) (Reptilia: Squamata: Lamprophiidae). *Journal of Wildlife and Biodiversity*, 6(Supple. 1): 78–91.
- 23) **M. Hasan** and S.M.I. Tripti. 2021. Biodiversity, threats and recommendation for conservation of fishes in the Old Brahmaputra River. *Bangladesh Journal of Fisheries*, 33 (2): 347–354.
- 24) V.A. Gorin, E.N. Solovyeva, **M. Hasan**, H. Okamiya, D.M.S.S. Karunarathna, P. Pawangkhanant, A. de Silva, W. Juthong, K.D. Milto, L.T. Nguyen, C. Suwannapoom, A. Haas, D.P. Bickford, I. Das and N. A. Poyarkov. 2020. A little frog leaps a long way: compounded colonizations of the Indian Subcontinent discovered in the tiny Oriental frog genus *Microhyla* (Amphibia: Microhylidae). *PeerJ* 8: e9411.
- 25) **M. Hasan**, J-S. Lai, N.A. Poyarkov, A. Ohler, L. A. Oliver, R. Kakehasi, A. Kurabayashi and M. Sumida. 2019. Identification of *Hylarana tytleri* (Theobald, 1868): elements for the systematics of the genus *Hylarana* Tschudi, 1838 (Anura, Ranidae). *Alytes*, 37: 1–30.
- 26) E. Sanchez, S. D. Biju, M. M. Islam, **M. Hasan**, A. Ohler, M. Vences and A. Kurabayashi. 2018. Phylogeny and classification of *Fejervarya* frogs (Anura: Dicroglossidae). *Salamandra*, 54: 109–116.

- 27) **M. Hasan**, M. M. Islam, M. M. R. Khan, R. Wanichanon, A. Kurabayashi and M. Sumida. 2017. Reproductive isolating mechanisms in the Bangladesh Coastal Bullfrog *Hoplobatrachus litoralis* and its congeneric species revealed by crossing experiments and examination on spermatogenesis of the hybrids. *Asian Herpetological Research*, 8: 27–38.
- 28) N. Sultana, T. Igawa, **M. Hasan**, M. S. Alam, M. M. Islam, S. Komaki, K. Kawamura, M. M. R. Khan and M. Sumida. 2016. Inter- and intra-specific genetic divergence of Asian tiger frogs (genus *Hoplobatrachus*), with special reference to population structure of *H. tigerinus* in Bangladesh. *Genes & Genetic Systems*, 91: 217–227.
- 29) **M. Hasan**, M.A. R. Sarker, A. Kurabayashi, M. Kuramoto and M. Sumida. 2015. Genetic variation, advertisement call, and morphometry of *Microhylaniplhamariensis* from Bangladesh. *Philippine Journal of Systematic Biology*, 9: 63–80.
- 30) **M. Hasan**, M. M. Islam, M. Kuramoto, A. Kurabayashi and M. Sumida. 2014a. Description of two new species of *Microhyla* (Anura: Microhylidae) from Bangladesh. *Zootaxa*, 3755: 401–418.
- 31) **M. Hasan**, M. M. Islam, M.M.R. Khan, T. Igawa, M.S. Alam, H.T. Djong, N. Kurniawan, H. Joshy, Y.H. Sen, D. M. Belabut, A. Kurabayashi, M. Kuramoto and M. Sumida. 2014b. Genetic divergences of South and Southeast Asian frogs: a case study of several taxa based on 16S ribosomal RNA gene data with notes on the generic name *Fejervarya*. *Turkish Journal of Zoology*, 38: 389 – 411.
- 32) N. Sultana, T. Igawa, M. Nozawa, M. M. Islam, **M. Hasan**, M. S. Alam, M.M.R. Khan and M. Sumida. 2014c. Development and characterization of 27 new microsatellite markers of Indian Bullfrog, *Hoplobatrachus tigerinus* and its congeneric species. *Genes & Genetic Systems*, 89:137–141.
- 33) N. Kurniawan, T. H. Djong, T. Maideliza, A. Hamidy, **M. Hasan**, T. Igawa and M. Sumida. 2014d. Genetic divergences and geographic distribution of frogs in genus *Fejervarya* from Indonesia inferred from mitochondrial 16S rRNA gene analysis. *Treubia*, 41:1–16.
- 34) **M. Hasan**, M. M. Islam, M.M.R. Khan, M. S. Alam, A. Kurabayashi, T. Igawa, M. Kuramoto and M. Sumida. 2012a. Cryptic anuran biodiversity in Bangladesh revealed by mitochondrial 16S rRNA gene sequences. *Zoological Science*, 29: 162–172.
- 35) **M. Hasan**, M. Kuramoto, M. M. Islam, M. S. Alam, M. M. R. Khan and M. Sumida. 2012b. A new species of genus *Hoplobatrachus* (Anura, Dicroglossidae) from the coastal belt of Bangladesh. *Zootaxa*, 3312: 45–58.
- 36) M. S. Alam, M. M. Islam, M. M. R. Khan, **M. Hasan**, R. Wanichanon and M. Sumida. 2012c. Postmating isolation in six species of three genera (*Hoplobatrachus*, *Euphlyctis* and *Fejervarya*) from family Dicroglossidae (Anura), with special reference to spontaneous production of allotriploids. *Zoological Science*, 29: 743 – 752.
- 37) M. M. Islam, N. Kurose, M. M. R. Khan, T. Nishizawa, M. Kuramoto, M. S. Alam, **M. Hasan**, N. Kurniawan, M. Nishioka and M. Sumida. 2008a. Genetic divergence and reproductive isolation in the genus *Fejervarya* (Amphibia: Anura) from Bangladesh inferred from morphological observations, crossing experiments, and molecular analyses. *Zoological Science*, 25: 1084 – 1105.

- 38) **M. Hasan**, M. M. R. Khan and M. Sumida. 2011. Geographic Distribution. *Hylarana leptoglossa* (Long-tongued Frog). *Herpetological Review*, 42: 562.
- 39) **M. Hasan** and M. Sumida. 2012d. Geographic Distribution. *Kaloula taprobanica* (Sri Lankan Bull Frog). *Herpetological Review*, 43: 97.
- 40) **M. Hasan**, A. K. Shakur Ahammad and M. M. R.Khan 2010. A Preliminary investigation into the production of Thai Koi (*Anabas testudineus*) reared in nylon hapas in Bangladesh. *Bangladesh Research Publication Journal*, 4: 15 – 23.
- 41) **M. Hasan**, M. M. R. Khan and M. Sumida 2008b. Morphological and genetic variation in three populations of *Hoplobatrachus tigerinus* from Bangladesh. *Progressive Agriculture*, 19: 139 – 149.
- 42) **M. Hasan**, M. M. R. Khan, I. Parvez and M.I. Hossain. 2008c. Home-made feed generates higher income in Thai koi, *Anabas testudineus* (Bloch, 1792) farming in Bangladesh. *International Journal of BioResearch*, 4: 5 – 10.
- 43) A. K. S. Ahammad, M. M. R. Khan, M. E. Islam, A. Hossain and **M. Hasan**. 2008d. Growth response of Thai Sarpunti (*Barbodes gonionotus*) fry to three selected feeds under laboratory condition. *International Journal of BioResearch*, 4: 75 – 80.
- 44) **M. Hasan**, M. M. R. Khan and M. A. Rahman. 2007a. Some biological aspects of Thai koi, *Anabas testudineus* (Bloch, 1792). *Journal of the Bangladesh Agricultural University*, 5: 385 – 392.
- 45) **M. Hasan**, M. M. R. Khan and M. A. B. Siddik. 2007b. Taxonomic analysis of rohu *Labeo rohita* and mrigal *Cirrhinus cirrhosus* populations in Bangladesh. *Journal of Bangladesh Society for Agricultural Science and Technology*, 4: 29 – 32.
- 46) M. I. Hossain, M. M. R. Khan, M.A. B. Siddik and **M. Hasan**. 2007c. Effects of feed on survival and growth of local Sarpunti (*Puntius sarana*, HAMILTON) fry in glass aquaria. *Journal of the Bangladesh Agricultural University*, 5: 371–376.
- 47) M.A.B. Siddik, M. M. R. Khan and **M. Hasan**. 2007d. Evaluation of different diets on the growth of normal and monosex GIFT tilapia (*Oreochromis niloticus* L.) in Bangladesh. *Journal of the Bangladesh Agricultural University*, 5: 377–384.

Attended Meetings and Presentations:

2025	10 th Biennial Fisheries Conference. Bangladesh Fisheries Research Forum (BFRF), BARC auditorium, Farmgate, Dhaka, Bangladesh.
	Poster: Discovery of two possible new loach (Cypriniformes: Cobitidae and Nemacheilidae) fishes in Bangladesh
2025	International Conference on Regenerative Agriculture and Sustainable Food security at Gazipur Agricultural University, Bangladesh
	Oral: Beyond the surface: DNA barcoding and taxonomic insights into potential new

	freshwater fish species of Bangladesh
2025	Zoological Society of Bangladesh. 24 th International Biennial Conference and AGM 2024, Department of Zoology, Dhaka University, Bangladesh
	Oral: A new species of sand snake <i>Psammophis</i> (Serpentes: Psammophiidae) from the northwest area of Bangladesh
2024 d	World Congress of Herpetology. 10 th World Congress of Herpetology, Universiti Malaysia Sarawak, Kuching, Malaysia. Oral: 1. Uncover the Hitherto Overlooked Cryptic Diversity of Blind Snakes in Bangladesh and 2. DNA Barcoding of Sea Snakes in Bangladesh
2024 c	Zoological Society of Bangladesh. 23 rd International Biennial Conference and AGM 2023, Department of Zoology, Dhaka University, Bangladesh. Oral: Biodiversity in Sherpur Reserve Forest, Bangladesh
2024 b	First International Conference on Science and Technology for sustainable development (2024), Organized by Research Cell, Mawlana Bhashani Science and Tecnology University, Tangail-1902, Bangladesh Oral: Whole Genome Sequence of <i>Labeo rohita</i> from the Jamuna River, Bangladesh
2024 a	Fisheries Society of Bangladesh. 3 rd Biennial International Conference, Faculty of Fisheries, Bangladesh Agricultural University, Mymensingh-2201, Bangladesh Oral: Integrative taxonomy approach to reveal the hidden biodiversity of fishes from the transboundary rivers of north-eastern Bangladesh
2023	First Asia - Middle East - Africa Conference on Academic and Research Integrity (ACARI 2023), Middlesex University Dubai Campus Oral (virtual): Ethical Consideration for wildlife research in Bangladesh
2022	Invited presentation at Department of Animal Bioscience, Nagahama Institute of Bio-Science and Technology, Shiga Prefecture, Japan Oral: Herpetology and ichthyology research in Bangladesh: Current trends and future prospects.
2015	International Union for Conservation of Nature (IUCN)-Bangladesh part, IUCN-Country Office, House 16, Road 2/3 Banani, Dhaka 1213, Bangladesh Oral: Cryptic anuran biodiversity in Bangladesh with description of three new species
2014	The 53 rd Annual Meeting of Herpetological Society of Japan, Kobe Yamate University, Kobe, Japan Oral: Morphological and molecular comparisons of two-striped grass frogs (Anura: Ranidae) from Bangladesh and Taiwan
2014	50 th Anniversary Meeting of the Australian Society of Herpetologists, Canberra, Australia Oral: Description of two new species of <i>Microhyla</i> (Anura: Microhylidae) from Bangladesh
2013	85 th Annual Meeting of the Genetic Society of Japan, Keio University, Yokohama, Kanagawa Prefecture Oral: Description of two new species of <i>Microhyla</i> (Anura: Microhylidae) from Bangladesh
2013	The 52nd Annual Meeting of Herpetological Society of Japan. Tokai University, Sapporo

	Campus Poster: Evolutionary relationships and postmating isolation among <i>Fejervarya</i> species from Lesser Sunda, Indonesia and other Asian countries revealed by mtDNA Cytb gene sequences and crossing experiments
2012	Ph.D thesis presentation in a special seminar of the Department of Fisheries Biology and Genetics. Bangladesh Agricultural University, Bangladesh Oral: Cryptic anuran biodiversity in Bangladesh with description of a new species of genus <i>Hoplobatrachus</i> (Anura, Dicroglossidae)
2012	World Congress of Herpetology-7. University of British Columbia, Vancouver, Canada Oral: A new species of genus <i>Hoplobatrachus</i> (Anura, Dicroglossidae) from the coastal belt of Bangladesh
2012	18th Biennial International Conference and Annual General Meeting, Zoological Society of Bangladesh. Dhaka University, Dhaka, Bangladesh Oral: A new species of genus <i>Hoplobatrachus</i> (Anura, Dicroglossidae) from the coastal belt of Bangladesh
2012	The 51st Annual Meeting of the Herpetological society of Japan, Aichi Gakusen University, Aichi, Japan Oral: A new species of genus <i>Hoplobatrachus</i> (Anura, Dicroglossidae) from the coastal belt of Bangladesh
2011	Joint Meeting of 7th International Congress of Systematic and Evolutionary Biology, 12th Annual Meeting of the Society of Biological Systematics and 20th International Symposium “Biodiversity and Evolutionary Biology” of the German Botanical Society, Biosystematics Berlin 2011. Frieie University, Berlin, Germany Oral: Genetic divergences and phylogenetic relationships among the frogs from South to East Asia revealed by nucleotide sequences of mitochondrial 16S rRNA gene.
2011	82th annual meeting of Genetic Society of Japan. Hokkaido University, Hokkaido, Japan Oral: Species diversity and phylogenetic relationships among frogs from Bangladesh revealed by nucleotide sequences of mitochondrial 16S rRNA gene
2010	62nd Annual Meeting of the Chugoku-Shikoku Branch of the Zoological Society of Japan, Yamaguchi University, Yamaguchi, Japan Oral: Genetic divergences and phylogenetic relationships in the frogs from South to East Asia
2009	The 48th Annual Meeting of the Herpetological Society of Japan, Tenri University, Nara, Japan Oral: Species diversity and phylogenetics relationships of Bangladesh and other Asian countries
2009	61st Annual Meeting of the Chugoku-Shikoku Branch of the Zoological Society of Japan, Kochi University, Kochi, Japan Oral: Species diversity and phylogenetic relationships of Bangladeshi frogs revealed by nucleotide sequences of mitochondrial 16S rRNA gene
2008	International Biotechnology Conference, Bangladesh Agricultural Research Council (BRAC), Dhaka Oral: Morphological and genetic variation in three frog populations (<i>Hoplobatrachus tigerinus</i>) from Bangladesh

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Attended Workshops and Training:

SL No.	Title	Subject line	Duration	Date	Venue
1.	eGP	How to conduct tender through online process	2 Days	20-21 Jan 2025	JSTU campus
		The standards of service delivery, and the responsibilities of both the institution and the citizens it serves, aiming to improve accountability and transparency			JSTU campus
2.	Citizen Charter for HEIs	Conduct Procurement through Bangladesh Government rules and regulations	1 day	24 May, 2023	JSTU campus
3.	Annual Procurement Plan	How to manage office	1 day	23 May, 2023	JSTU campus
4.	Office Management	Self-assessment, application submission, on-site evaluation, and a final decision by the accrediting body, ensuring institutions meet quality standards	1 day	28 March, 2023	JSTU campus
5.	Accreditation Process for HEIs	The curriculum design must start with a clear definition of the intended outcomes that students are to achieve by the end of the program	1 day	January , 2023	JSTU campus
6.	Outcome Based Education: Curriculum Development	Fish Food safety, HACCP System	1 day	January , 2023	
7.	Food Safety and HACCP System		3 days	11-13 April 2021	Virtual

			and its importance				
			To prepare template on designing outcome based curriculum				
8.	Designing Outcome Based Curriculum			3 days	30 November, 1 & 2 December 2020	Virtual	
9.	Elements of Quality Assurance in Higher Education		Different features of Quality Assurance	2 days	23-24 August 2020	Virtual	
10.	Writing a Research Project Proposal		Research project, project proposal, data analysis and result interpretation	7 days	13-19 July 2021	Virtual	
11.	Basics of MS Office		MS word, MS Excel, Microsoft power point and internet	13 days	12-24 August 2006	GTI, BAU	
12.	Extension Field Trip		Browsing Organisational structure, working procedures of various organisations at Upazila level	6 days	12-17 June 2004	Muktagacha, Mymensingh	
13.	Fisheries and Aquaculture Research		Improvement of fisheries production through research	4 days	11-14 April 2004	BFRI, Mymensingh	
14.	Aquaculture, Extension and Training Methodology for University Students		Linkup between aquaculture production and extension	4 days	28-31 March 2004	NFRDM project (Phase-III)	

Abstracts Published:

1. **M. Hasan** and C. Kambayashi. 2025. Discovery of two possible new loach (Cypriniformes: Cobitidae and Nemacheilidae) fishes in Bangladesh. 10th Biennial Fisheries Conference. *Bangladesh Fisheries Research Forum (BFRF)*, BARC auditorium, Farmgate, Dhaka, Bangladesh-Abstract p. xxx.
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3. **M. Hasan**, C. Kambayashi and Xianguang Guo. 2025. A new species of sand snake *Psammophis* (Serpentes: Psammophiidae) from the northwest area of Bangladesh. Zoological Society of Bangladesh. *Proceedings of the Zoological Society of Bangladesh. 24th International Biennial Conference and AGM 2024, Bangladesh*-Abstract p. 111.
4. **M. Hasan** and C. Kambayashi. 2024d. Uncover the hitherto overlooked cryptic diversity of blind snakes in Bangladesh. *10th World Congress of Herpetology, UNIMAS, Malaysia*-Abstract p. 764-765.
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6. **M. Hasan**, S. Jannat and M. A. Rahman. 2024b. Biodiversity in Sherpur Reserve Forest, Bangladesh. *Proceedings of the Zoological Society of Bangladesh. 23rd International Biennial Conference and AGM 2023, Bangladesh*-Abstract p. 99.
7. **M. Hasan**, Z. H. Anik and I.I.Tusar. 2024a. Integrative taxonomy approach to reveal the hidden biodiversity of fishes from the transboundary rivers of north-eastern Bangladesh. *Proceedings of the Fisheries Society of Bangladesh. 3rd Biennial International Conference, Faculty of Fisheries, Bangladesh Agricultural University, Mymensingh-2201, Bangladesh*. Abstract p. xx.
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9. **M. Hasan**, J-S. Lai and M. Sumida. 2015. Morphological and molecular comparisons of two-striped grass frogs (Anura: Ranidae) from Bangladesh and Taiwan. *Bulletin of Herpetological Society of Japan*-Abstract p.49.
10. **M. Hasan** and M. Sumida. 2014a. Anuran Biodiversity in Bangladesh:What next? IUCN Bangladesh. *The Festschrift on the 50th Anniversary of the IUCN Redlist of Threatened speciesTM*, Dhaka, Bangladesh: IUCN, x+192pp
11. **M. Hasan**, N. Kurniawan, A. Soewondo, M. M. Islam, T. Igawa, W. M. M. Nalley, M. Matsui and M. Sumida. 2014b. Evolutionary relationships and post mating isolation among *Fejervarya* species from Lesser Sunda, Indonesia and other Asian countries revealed by mtDNA *Cytb* gene sequences and crossing experiments. *International Symposium, Frontiers in Amphibian Biology: Endangered Species Conservation and Genome Editing, Hiroshima University, Japan*-Abstracts p.48
12. **M. Hasan**, M.M.R. Khan, and M. Sumida. 2008a. Morphological and genetic variation in three populations of *Hoplobatrachus tigerinus* from Bangladesh. *Proceedings of the Bangladesh Association for Biotechnology and Genetic Engineering (BABGE), Dhaka, Bangladesh* -Abstracts p.46
13. N. Zohora, M.M.R. Khan, **M. Hasan** and A.K.S. Ahammadb. 2008b. Morphological and allozyme variation of three different *Nandus Nandus* populations in Bangladesh. *Proceedings of the Bangladesh Association for Biotechnology and Genetic Engineering (BABGE), Dhaka, Bangladesh* -Abstracts p.45
14. S. Suraiya, M.M.R. Khan, MA Hossain and **M. Hasan**. 2008b. Study on morphological and allozyme variation of three river populations of bata (*Labeo bata*) in Bangladesh.

Supervision (MS/PhD Students):

1. **Muhammad Rafiqul Bari**, PhD Student, **Title:** “Genetic Diversity and Ecology of fishes in the Old Brahmaputra River in Bangladesh”, serving as a Co-Supervisor. [June 2023 – To Date]

International Collaborator:

- 1) Dr. Atsushi Kurabayashi, Associate Professor, Department of Animal Bioscience, Nagahama Institute of Bio-Science and Technology, 1266 Tamura-Cho, Nagahama, Shiga, 526-0829, Japan.
- 2) Dr. Chiaki Kambayashi, Assistant Professor, Department of Life and Food Sciences, Graduate School of Science and Technology, Niigata, University, Niigata 950-2181, Japan
- 3) Nikolay A. Poyarkov, jr., Ph.D. Associate professor, Lomonosov Moscow State University, Biological faculty, Department of Vertebrate Zoology
- 4) Yuzine b. Esa, PhD, Associate Professor, Department of Aquaculture, Faculty of Agriculture, Universiti Putra Malaysia

Field Experiences:

2019	Central part, Bangladesh	Expedition leader
2014	Taipei City, Taiwan	Expedition member
2012	Bangladesh	Expedition leader
2011	Bangladesh	Expedition leader

Research Achievements Reported in Print/Electronic Media:

July 19, 2020	“Campuslive24.com”	Bangladesh
June 26, 2014	“The Daily Chugoku Shimibun” reported the new species	Japan
May 22, 2014	“The Daily Pratam Alo” anuran biodiversity & new species	Bangladesh
April 06, 2014	“The Daily Alokito Bangladesh” cryptic anurans	Bangladesh
March 29, 2014	“The Daily Naya Diganto” biological diversity	Bangladesh
June 14, 2013	“The Daily Independent” conservation of frogs	Bangladesh
March, 2012	The “Innovation” magazine of Hiroshima University focused novel Ph.D. research findings	Japan

August 22, 2015: Interview in DESH TV

Language Proficiency:

Known Bengali, English [IELTS Score: 6.0 (2019)] and Japanese (competence level)

Visited Countries: Australia, Canada, China, Germany, Japan, Taiwan and Malaysia

Referees:

- 1) Dr. Masayuki Sumida
Emeritus Prof. & ex-Director
Institute for Amphibian Biology
Graduate School of Science, Hiroshima University.
1-3-1 Kagamiyama, Higashi-hiroshima, Hiroshima 739-8526
Email: msumida500@gmail.com
- 2) Prof. Dr. Kazi Ahsan Habib
Department of Fisheries Biology and Genetics,
Dean, Faculty of Fisheries, Aquaculture & Marine Science,
Sher-e-Bangla Agricultural University (SAU), Dhaka 1207,
Bangladesh.
Phone: +88-02-44814069, Mobile: +880-1713682290,
Email: habibka@sau.edu.bd

Dr. Mahmudul Hasan
Associate Professor
Dept. of Fisheries
Jamalpur Science and Technology University,
Jamalpur-2012