Curriculum Vitae

Mahmudul Hasan

Current Position:
Assistant Professor &
Director (A.), Research Cell
Contact Address:
Department of Fisheries
Jamalpur Science & Technology University
Melandah, Jamalpur-2012, Bangladesh
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Mobile: +88-01714892205
Website: http://www.mhasanbd.com

Nationality: Bangladeshi
Birth Date: 31 December, 1981

Educational Qualifications:

Institution	Major	Degree, year	Division
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*

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	To Date (Sep 30, 2025)	6 Years 04 Months 07 Days
Total				**13 Years 05 Months 29 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 da**ta**", serving as **Principal Investigator**. Funded by 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:
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. R. Bari, H. Rahman, S. Sultana, J. Khandaker, R. Zim and M. Hasan. 2025e. Current status and richness of fishes in the old Brahmaputra river of Bangladesh. Research in Agriculture, Fisheries and Livestock. 12(2)295-306.

2) **M. Hasan, M. N. Hoque, M. U. Hossain and T. Islam**. 2025d. Whole genome sequencing, assembly and annotation of Labeo rohita from the Jamuna river of Bangladesh. Scientific data. In review.

3) **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

4**)** 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

5) 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

6) **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.

7)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.

8) 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 thetremendous amphibian diversity of Southeast Asia. Vertbrate Zoology, 74: 595–641.

9)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.

10) **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.

11) R. F. Rakhi, M.A. Sultana, M.G.K. Khan, Z. Rahman, **M. Hasan,** S.M. RafiquzzamanandM. 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.

12) **M. Hasan**,Z. H. Anikand A. Kurabayashi (2023). Assessment of fish biodiversityin the Padma river from Farakka Barrage point to the Shampur Nagar Ghat, Rajshahi, Bangladesh. Bangladesh Journal ofFisheries,35 (1): 13–23.

13) P. Thongproha, J. Chunskula, Y. Sringurngamb, L. Wairpromb, S. Makchaid, M. Cotad, P. Duengkaee, 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.

14) **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*,12e9436.

15) **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.

16) **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.

17) **M. Hasan** and S.M.I. Tripti. 2021.Biodiversity, threats and recommendation for conservation of fishes in the Old Brahmaputra River. *Bangladesh Journal ofFisheries*,33 (2): 347–354.

18) 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.

19) **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 *Hylaran* Tschudi, 1838 (Anura, Ranidae). *Alytes*, 37: 1–30.

20) E. Sanchez, S. D. Biju, M. M. Islam, **M. Hasan**, A. Ohler, M. Vences and A. Kurabayashi. 2018. Phylogeny and classification of Fejervaryan frogs (Anura: Dicroglossidae). *Salamandra*, 54: 109–116.

21) **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.

22) 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.

23) **M. Hasan,** M.A. R. Sarker,A. Kurabayashi, M. Kuramoto and M. Sumida. 2015. Genetic variation, advertisement call, and morphometry of *Microhylanilphamariensis* from Bangladesh. *Philippine Journal of Systematic Biology*, 9: 63–80.

24) **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.

25) **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.

26) 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.

27) 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.

28) **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.

29) **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.

30) M. S. Alam, M. M. Islam, M. M. R. Khan, **M. Hasan**, R. Wanichanonand 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.

31) 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.

32) **M. Hasan,** M. M. R. Khan and M. Sumida. 2011. Geographic Distribution. *Hylarana leptoglossa* (Long-tongued Frog). *Herpetological Review*, 42: 562.

33) **M. Hasan** and M. Sumida**.** 2012d. Geographic Distribution. *Kaloula taprobanica* (Sri Lankan Bull Frog). *Herpetological Review*, 43: 97.

34) **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.

35) **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.

36) **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.

37) 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.

38) **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.

39) **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.

40) 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 aquria. *Journal of the Bangladesh Agricultural University*, 5: 371–376.

41) 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	10th 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. 24th International Biennial Conference and AGM 2024, Department of Zoology, Dhaka University, Bangladesh
	Oral: A new species of sand snake *Psammophis* (Serpentes: Psammophiidae) from the northwest area of Bangladesh
2024d	World Congress of Herpetology. 10th 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
2024c	Zoological Society of Bangladesh. 23rd International Biennial Conference and AGM 2023, Department of Zoology, Dhaka University, Bangladesh. **Oral**: Biodiversity in Sherpur Reserve Forest, Bangladesh
2024b	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 *Labeo rohita* from the Jamuna River, Bangladesh
2024a	Fisheries Society of Bangladesh. 3rd 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 53rd 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	50th Anniversary Meeting of the Australian Society of Herpetologists, Canberra, Australia **Oral**: Description of two new species of *Microhyla* (Anura: Microhylidae) from Bangladesh
2013	85th Annual Meeting of the Genetic Society of Japan, Keio University, Yokohama, Kanagawa Prefecture **Oral**: Description of two new species of *Microhyla* (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 *Fejervarya* 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 *Hoplobatrachus* (Anura, Dicroglossidae)
2012	World Congress of Herpetology-7. University of British Columbia, Vancouver, Canada **Oral**: A new species of genus *Hoplobatrachus* (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 *Hoplobatrachus* (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 *Hoplobatrachus* (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 (*Hoplobatrachus tigerinus*) from Bangladesh

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
2.	Citizen Charter for HEIs	The standards of service delivery, and the responsibilities of both the institution and the citizens it serves, aiming to improve accountability and transparency	1 day	24 May, 2023	JSTU campus
3.	Annual Procurement Plan	Conduct Procurement through Bangladesh Government rules and regulations	1 day	23 May, 2023	JSTU campus
4.	Office Management	How to manage office	1 day	28 March, 2023	JSTU campus
5.	Accreditation Process for HEIs	Self-assessment, application submission, on-site evaluation, and a final decision by the accrediting body, ensuring institutions meet quality standards	1 day	January , 2023	JSTU campus
6.	Outcome Based Education: Curriculum Development	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	
7.	Food Safety and HACCP System	Fish Food safety, HACCP System	3 days	11-13 April 2021	Virtual

		and its importance			
8.	Designing Outcome Based Curriculum	To prepare template on 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 Browsing	13 days	12-24 August 2006	GTI, BAU
12.	Extension Field Trip	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.
2. Beyond the surface: DNA barcoding and taxonomic insights into potential new freshwater fish species of Bangladesh. *International Conference on Regenerative Agriculture and Sustainable Food security at Gazipur Agricultural University, Bangladesh*- Abstract p. 104.

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 sankes in Bangladesh. *10th World Congress of Herpetology, UNIMAS, Malaysia*-Abstract p. 764-765.
5. **M. Hasan** and K. A. Habib. 2024c. DNA barcoding of sea snakes in Bangladesh. *10th World Congress of Herpetology, UNIMAS, Malaysia*-Abstract p. 766.
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.
8. **M. Hasan**, Z. R. Khan and M. K. A. Khan. 2023. Ethical Consideration for wildlife research in Bangladesh. ACARI 2023 Conference Proceedings-Abstract p. 34-35.

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 Threatned species™, 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. *Proccedings 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 meni (*Nandus Nandus*) populations in Bangladesh. *Proccedings 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 varaiation of three river populations of bata (*Labeo bata*) in Bangladesh.

Proceedings of the Bangladesh Association for Biotechnology and Genetic Engineering (BABGE), Dhaka, Bangladesh -Abstract p.47

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]

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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 Shimbun" 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

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