Curriculum vitae of Jahid Hasan

Jahid Hasan

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Objectives

Expanding the worth of human life through applying the talents and potentiality I have developed through my academic career and research experience.

General Information

Name: **Jahid Hasan**, Father's name: Md Sanwar Hossain, Mother's name: Juhura Begum

Present Address: Lecturer, Dept. of Aquatic Environment and Resource Management, Faculty of Fisheries and Marine Science, Sher-e-Bangla Agricultural University, Dhaka-1207, Bangladesh (www.sau.edu.bd).

Permanent Address: Vill. + PO: Kumartek, Union: Joynagor, PS: Shibpur, District: Narsingdi

Marital Status: Single

Blood Group: AB+

Height: 5'7''

Date of Birth: 15-11-1996

National ID: 3258281116

Research Experiences

1. Experience on collecting data using **CTD** (Conductivity-Temperature-Depth) profiler (Model: Aqua Troll-200) for investigating vertical salinity profile in the estuary.

2. Worked as a research assistant in the project entitled **"Fish Diversity and Distribution in Relation to Salinity Gradient in the Pasur and Bhadra River estuaries, Bangladesh"** funded by Ministry of Science and Technology, for the financial year 2019-2020 under the Special Allocation for Science and Technology. Grand Serial: BS-150 (Biological Science), Principal investigator- Dr. Dinesh Chandra Shaha, Department of Fisheries Management, GAU.

3. Worked as a research assistant in the project entitled "**A study on export of saline water and nutrients from the Shibsa River estuary, Bangladesh**" funded by International Foundation for Science, Sweden, from 01 December 2018 to 31 December 2020. Research grant agreement no: I-2-W-5414-2. Principal investigator- Dr. Dinesh Chandra Shaha, Department of Fisheries Management, GAU.

4. Worked as a research assistant in the project entitled "**The Role of Mangrove and Salt Plug on Ecological Parameter Distribution in the Pasur River estuary**" funded by Research Management Wing (RMC), BSMRAU, from 01 July 2017 to 30 June 2020. Area and Project No. Marine Resources and PN 15, Principal investigator- Dr. Dinesh Chandra Shaha, Department of Fisheries Management, GAU.

5. Worked as a research assistant in the project entitled "**Ecosystem Health Assessment of the Meghna River estuary for Tropical Hilsa Shad**" funded by ECOFISH-II, WorldFish Bangladesh from 01 March 2020 to 31 December 2020. Sub-grant agreement no: PLA12258. Principal investigator- Dr. Dinesh Chandra Shaha, Department of Fisheries Management, GAU.

6. Worked as a research assistant in the project entitled **"Observation and Modeling for identifying eggs and larval retention area of hilsa shad around the Hatiya Island"** funded by Ministry of Science and Technology, for the financial year 2020-2021 under the Special Allocation for Science and Technology. Grand Serial: BS-143 (Biological Science), Principal investigator- Dr. Farhana Haque, Department of Fisheries Management, GAU.

7. Worked as a research assistant in the project entitled "**Ecosystem Health Assessment and Eco-Biological Modelling on the Taste and Abundance of Hilsa Population in the Meghna River System of Bangladesh**" funded by ECOFISH-II, WorldFish Bangladesh from 01 January 2021 to 31 December 2021. Sub-grant agreement no: PLA12258. Principal investigator- Dr. Dinesh Chandra Shaha, Department of Fisheries Management, GAU.

8. Worked as, a Fisheries **"Field Researcher (Fish and Biodiversity)"** with AKM Consulting Firm since August 01, 2020 to December 31, 2022 on survey during pre-construction phrase and monitor the impact of fish diversity and composition due to project activity in and around the project area on quarterly basis under the project of **"Fish Diversity and Composition for Consultancy Services at Ghorashal Palash Urea Fertilizer Project, Ghorashal, Palash, Narsingdi"**.

9. Worked as a Fisheries **"Field Researcher (Fish and Biodiversity)"** with AKM Consulting Firm since August 01, 2020 to November 30, 2021 on survey and monitoring the **"Fish and benthos of fresh and marinewater ecosystems as well as health"** within 15 km radius of the project area in the dry (non-monsoon) and wet (monsoon) seasons under **"Natural and Social Environmental Survey at Matarbari Ultra Super Critical Coal-Fired power Project (Phase-2), Moheskhali, Cox's Bazar".**

10. Worked as a research assistant in the project entitled "**Spawning and Nursery Habitat Assessment of Hilsa Shad in the Tetulia and Meghna River estuaries**" funded by Research Management Wing (RMC), BSMRAU, from 01 July 2020 to 30 June 2023, Project No. PN 60, Principal investigator- Dr. Dinesh Chandra Shaha, Department of Fisheries Management, GAU.

11. Worked as a research assistant in the project entitled "**Identification of Areas with Suitability Index for Mariculture Species in the Middle Coast of Bangladesh**" funded by Ministry of Science and Technology, for the financial year 2022-2023 under the Special Allocation for Science and Technology from 01 July 2022 to 30 June 2023, Project No. SRG-221167, Principal investigator- Dr. Dinesh Chandra Shaha, Department of Fisheries Management, GAU.

Technical Experiences

Experience in basic knowledge on Microsoft Word, Microsoft PowerPoint, Microsoft Excel, SPSS, knowledge on programming (R), Creating Map using ArcGIS and Manuscript Writing.

Job Experience

Institution	Position	From	To
Sher-e-Bangla Agricultural University, Dhaka-1207	Lecturer	19 Dec 2023	To date

Training and Seminar Attended

1. Attended a 2 day-long seminar on **8th Biennial Fisheries Conference & Research Fair 2019**, 30-31 March 2019 on "Aquaculture & Fisheries for Achieving SDGs" organized by Bangladesh Agricultural Research Council (BARC), Dhaka, Bangladesh.

2. Three days training program on "**Extension Education Field Trip**" held during 26-30 November, 2018 organized by Dept. of AERD of GAU.

3. Attended a 3 day-long training on "**Pedagogy Training Programme on Innovations in Agriculture and Pesticide Management"** held at Sher-e-Bangla Agricultural University, Dhaka, Bangladesh during 9-11 March 2024.

4. Attended a day long workshop on "**Professional profile updating for SAU faculty members on SAU website**" organized by Institutional Quality Assurance cell (IQAC), SAU (30-01-25).

5. Attended a day long training program on "**Staff Capacity Building Training and Refreshers Training**" organized by BASA Foundation, affiliated organization of PKSF at Conference Room, BASA Foundation Head Office, Uttara, Dhaka, Bangladesh (06-02-2025).

6. Attended a day long training program on "**Training on Advanced/Resource Efficient Aquaculture Technologies**" organized by BASA Foundation, affiliated organization of PKSF at Konabari Branch, BASA Foundation, Gazipur, Bangladesh (24-06-2025).

7. Attended a day long training program on "**Training on Advanced/Resource Efficient Aquaculture Technologies**" organized by BASA Foundation, affiliated organization of PKSF at Baroboika Branch, BASA Foundation, Gazipur, Bangladesh (21-09-2025).

8. Attended a 5 day-long seminar on "**Aquatic Bioinformatics: Genomic Data Analysis"** 28 December 2025- 01 January 2026 organized by Fisheries Division, Bangladesh Agricultural Research Council (BARC), Dhaka, Bangladesh.

9. Attended a day long training program on "**Training on Advanced/Resource Efficient Aquaculture Technologies**" organized by BASA Foundation, affiliated organization of PKSF at Helena-Jabbar Kundaghata Government Primary School, Kaliakoir, Gazipur (16-09-2026).

Membership

1. General Member of the Krishibid Institution of Bangladesh (KIB) from 06-07-2023 to till date (ID No.: 06-18-32484).

2. General Member of Fisheries Alumni Association, GAU, Gazipur-1706 from 2024.

Scholarship and Fellowship Awarded

1. Awarded scholarship by **High Commission of India**, Dhaka for outstanding academic performance in the H.S.C and B.S (Hons.) examination for the fiscal year 2013-2014 and 2017-18.

2. Awarded **Nagao Natural Environment Foundation (NEF)** scholarship of Japan from January 2018 to December 2020 for outstanding academic performance.

3. Merit Scholarship for outstanding academic performance from Summer 2015 to Winter 2018, Faculty of Fisheries, GAU, Gazipur-1706.

4. Awarded talent award 2014 by **Krishi Foundation**, Bangladesh for meritorious result in the H.S.C 2014.

5. Awarded scholarship by Corporate Social Responsibility, **Sonali Bank Limited**, Bangladesh for meritorious result in the H.S.C 2014.

6. Awarded scholarship by **Bangladesh Muktijoddha Kalyan Trust** for meritorious result from July 2016 to June 2021 (**ID No.: 00330-15**).

Education

M.S. in Fisheries Management, Gazipur Agricultural University, Salna, Gazipur-1706, (**CGPA 3.903** out of 4, **3rd in order of merit**).

B.Sc. in Fisheries (Hons.), Gazipur Agricultural University, Salna, Gazipur-1706, (**CGPA 3.971** out of 4, **3rd in order of merit**).

H.S.C. Narsingdi Model College, Narsingdi, 2014 (**GPA 5.00**).

S.S.C. Harishanggan High School, Belabo, Narsingdi, 2012 (**GPA 5.00**).

Grants Awarded

Year	Source of Fund	Position	Title of Project	Fund Received
2025-26	Funded by R&D Project under	Principal Investigator	Assessment of salt and inorganic	90,000 BDT

	Ministry of Science and Technology, Bangladesh (Merit serial number: 87)		nutrients export from the Sundarbans mangrove creeks to the Pasur River estuary in Bangladesh	
2019-20	Funded by NST Project under Ministry of Science and Technology, Bangladesh (Merit serial number: 09)	Principal Investigator	Saltwater intrusion impacts on fish diversity and distribution in Kobadak River estuary, Bangladesh	54,000 BDT

Classes Taken and Subject Taught

Undergraduate Program:

➢ Freshwater Ecology and Wetland Ecosystem (AERM 101/102)

➢ Fish Population Dynamics (AERM 401/402)

➢ Fisheries Resources (AERM 153)

➢ Inland Fisheries Management (AERM 251/252)

➢ Fisheries Information System (COMB 353/354)

Postgraduate Program:

➢ Fish Stock Assessment (AERM 504)

➢ Climate Change and Fisheries (AERM 512)

➢ Inland Fisheries Conservation and Management (AERM 502)

Conference Paper

1. Shaha, D.C., **Hasan, J**., Akter, S., Lima, R. A., Ahmed, S., and Haque, S. M. **2019**. Outwelling of Nutrients into the Pasur River Estuary from the Creeks of Sundarbans Mangrove. Biennial Conference, Fisheries Society of Bangladesh, 27-28 December 2019, Bangladesh Agricultural University, 65 p.

2. Shaha, D.C., **Hasan, J**., Akter, S., Lima, R. A., Ahmed, S., and Wahab, M. A. **2019**. An Export of Salinity and Nutrients from Shibsa River Estuary into the Pasur River Estuary through Connecting Channels. Biennial Conference, Fisheries Society of Bangladesh, 27-28 December 2019, Bangladesh Agricultural University, 65-66 p.

3. Shaha D. C., **Hasan J**., Akter S., and Lima R. A. **2019**. Salt Plug Formation in the Sundarban Mangrove Ecosystem Due to Decrease River Discharge. Proceedings of the 16th International Scientific Conference 2019, 19-20 October, 2019. Chattogram Veterinary and Animal Science University, Chattogram-4225, 58-65 p.

Research Paper

1. Bhuyan, M. S., Hossain, N., Ismail, M., Azwad, S. A., Hasan, A. B., Das, T., & **Hasan, J.** (2026). Sediment Characteristics and Heavy Metal Distribution in a Tropical Coastal Environment: Ecological

and Human Health Risk Assessment. Soil and Sediment Contamination: An International Journal, 35 (5), 1-34. https://doi.org/10.1080/15320383.2026.2676626

2. **Hasan, J.,** Shaha, D. C., Ahmed, M., Hoque, M. Z., Rasul, M. G., Hossain, M. F., Suhag, M and Matsumoto, M. (2026). Ecological Risk Assessment of Surface Water Through Heavy Metal Contamination in the Fish Spawning Tetulia River Estuary of Bangladesh. J. Fac. Agr., Kyushu Univ., 71 (1), 25–34. https://doi.org/10.5109/7407634.

3. Aktar, A., **Hasan, J.,** Mim, T. R., Rahman, M. L., Haque, F., & Ahsan, M. E. (2025). Heavy Metals Contamination in Rohu (*Labeo rohita*) from Fish Ponds of Mymensingh and Cumilla Regions in Bangladesh. Journal of the Bangladesh Agricultural University, 23(2), 269–280. https://doi.org/10.3329/jbau.v23i2.82597.

4. Ahmed, M., Rahman, M.A., Haque, M.Z., Parvin, S., **Hasan, J** and Matsumoto, M. (2025). Ecological and Human Health Risk Assessment of Heavy Metal Contaminated Water, Soil and Vegetables in Narayanganj Industrial Area of Bangladesh. Journal of the Faculty of Agriculture, Kyushu University, 70(1): 1-12. https://doi.org/10.5109/7340475

5. Islam, M. S., Talukdar, A., Rahman, M. H., Islam, M. T., Islam, M. A., Rashid, M. H., Lima, R. A., **Hasan, J.** 2024. Influences of Feed Additives for Sustainable Aquaculture Production in Asia: A Review. Asian Fisheries Science, 37 (4): 243-257. https://doi.org/10.33997/j.afs.2024.37.4.006.

6. Hossain M. F., Asha A. A., Chakroborty K., Truong N. P. D., Yasmin H., **Hasan J.** 2024. Impact of contemporary management practices in pond fish farming on the socio-economic condition of fish farmers in north-central Bangladesh. AACL Bioflux 17(5):1852-1868.

7. **Hasan, J.,** Shaha, D.C., Haque, F., Ahmed, M., Salam, M.A., Khan, M., Haque, M.R., Yasmin, H., Hasan, M.M. 2024. Seasonal Changes of Nutrient Stoichiometry in the Tidal Mangroves Estuary, Bangladesh. Egyptian Journal of Aquatic Biology & Fisheries, 28(4), 2093 – 2106. DOI: 10.21608/ejabf.2024.375974

8. **Hasan, J.,** Shaha, D.C., Das, M., Kundu, S.R., Ahmed, S. and Haque, M.R. (2024). Seasonal Shifts in Diatom Species Dominance in the Tidal Mangrove Estuary of Bangladesh. Journal of Bangladesh Agricultural University, 22(2): 231-240. https://doi.org/10.3329/jbau.v22i2.74575

9. Keya, R. A., **Hasan, J.,** Akter, A., Roy, A., Razzak, M. A., Shaha, D. C., Rahman, Z., Ahsan, M. E. (2023). Assessment of heavy metals and ecological risk of pangas (*Pangasianodon hypophthalmus*)

and tilapia (*Oreochromis niloticus*) farms in Bangladesh. Annals of Bangladesh Agriculture, 27 (2); 105-117. https://doi.org/10.3329/aba.v27i2.72533

10. Shaha, D. C., **Hasan, J.,** Ahmed, S., Faysal, M. M. H., Kar, A., Haque, H., Salam, M. A., Reza, M.S., Seba, R. N. (2023). Assessment of spawning and nursery habitats of hilsa in the Tetulia and Meghna River estuaries. Annals of Bangladesh Agriculture, 27 (1): 57-69. https://doi.org/10.3329/aba.v27i1. 70959.

11. Farzana A., Shaha, D. C., **Hasan, J.**, Hossain, M. A., Ahsan M. E., Parvin, S. (2023). Enhancing Growth Performance of Grass Carp (*Ctenopharyngodon idella*) and Tilapia (*Oreochromis niloticus*) with German Grass (*Holcus mollis*) and Vermicompost. Journal of Bangladesh Agricultural University, 21(4): 581-591. https://doi.org/10.5455/JBAU.163035.

12. Haque, F., Noori, S. M., **Hasan, J.**, Shaha, D. C. (2023). Declination of Fish Biodiversity and Socio-Economic Status of the Fishing Community of Mathabhanga River in Chuadanga District of Bangladesh. Ecology Journal, 5 (1): 27-36. https: //doi.org/10.59619/ej.5.5.

13. Shaha, D.C., Kumar, A., Haque, F., **Hasan, J.,** Khan, M., Ahsan, M.E., Mimi, N.J. (2023). Use of Urban Open-waterbody to Enhance Fish Production through Cage Culture. Journal of Bangladesh Agricultural University, 21(1): 75–85. https://doi.org/10.5455/JBAU.139783

14. Tora, A.T.; **Hasan, J.;** Shaha, D.C. (2022). Marine fisheries resources in Bangladesh: present status and future prospects. Ecology Journal, 4(2),179-193.

15. **Hasan, J.**; Shaha, D.C.; Kundu, S.R.; Ahmed, M.; Haque, S.M.; Haque, F.; Ahsan, M.E.; Ahmed, S.; Hossain, M.I.; Salam, M.A. (2022). Outwelling of nutrients into the Pasur River estuary from the Sundarbans mangrove creeks. Heliyon, 8(12), e12270. https://doi.org/10.1016/j.heliyon.2022.e12270.

16. Shaha, D.C.; **Hasan, J.**; Kundu, S.R.; Yusoff, F.M.; Salam, M.A.; Khan, M.; Haque, F.; Ahmed, M.; Rahman, M.J.; Wahab, M.A. (2022). Dominant phytoplankton groups as the major source of polyunsaturated fatty acids for hilsa (*Tenualosa ilisha*) in the Meghna estuary Bangladesh. Scientific Reports, 12, 20980. https://doi.org/10.1038/s41598-022-24500-2.

17. **Hasan, J.**; Shaha, D.C.; Kundu, S.R.; Yusoff, F.M.; Cho, Y.-K.; Haque, F.; Salam, M.A.; Ahmed, S.; Wahab, M.A.; Ahmed, M.; Hossain, M.I.; Afrad, M.S.I. Phytoplankton Community in Relation to Environmental Variables in the Tidal Mangrove Creeks of the Pasur River Estuary, Bangladesh. Conservation 2022, 2, 587-612. https://doi.org/10.3390/conservation2040039.

18. Shaha, D.C., Asad, M.H.A., **Hasan, J.,** Islam, N., Haque, F., Mazumder, S.K. (2022). Effects of Napier Grass (*Pennisetum purpureum*) on Organic Carp Fish Production. Egyptian Journal of Aquatic Biology & Fisheries, 26 (4), 705-725. https://doi.org/10.21608/EJABF.2022.254233.

19. Hoque, M.Z.; Ahmed, M.; Islam, I.; Cui, S.; Xu, L.; Prodhan, F.A.; Ahmed, S.; Rahman, M.A.; **Hasan, J**. (2022). Monitoring Changes in Land Use Land Cover and Ecosystem Service Values of Dynamic Saltwater and Freshwater Systems in Coastal Bangladesh by Geospatial Techniques. Water, 14, 2293. https://doi.org/10.3390/w14152293

20. Shaha, D.C., Ahmed, S., **Hasan, J.,** Kundu, S.R., Haque, F., Rahman, M.J., Nahiduzzaman, M., Wahab, M.A. (2022). Fish Diversity in Relation to Salinity Gradient in the Meghna River Estuary, Bangladesh. Conservation, 2, 414-434. https://doi.org/10.3390/conservation2030028

21. Shaha, D. C., Cho, Y. K., Kundu, S. R., **Hasan, J.**, Haque, F., & Salam, M. A. (2022). The calculation of flushing time for the upper Pasur River Estuary, Bangladesh. *Terrestrial, Atmospheric and Oceanic Sciences*, *33*(1), 1-15. https://doi.org/10.1007/s44195-022-00015-1.

22. Islam, N.; Shaha, D.C.; **Hasan, J**.; Asad, M.H.A.; Salam, M.A.; Khan, M.; Kundu, S.R.; Ahmed, M. (2022). Heavy Metal Pollution Reduced the Potentiality of Pen Culture in the Wetland Aquaculture in an Urban Area of Bangladesh. *Conservation*, *2*, 68–79. https://doi.org/10.3390/conservation2010006.

23. **Hasan, J.,** Lima R. A., & Shaha, D. C. (2021). Fisheries resources of Bangladesh: A review. *International Journal of Fisheries and Aquatic Studies*, 9(4), 131-138. DOI: 10.22271/fish.2021.v9.i4b.2532.

24. Shefat, S., Chowdhury, M., Haque, F., **Hasan, J.,** Salam, M., & Shaha, D. (2020). Assessment of Physico-Chemical Properties of the Pasur River Estuarine Water. *Annals of Bangladesh Agriculture*, *24*(1), 1-16. https://doi.org/10.3329/aba.v24i1.51932.

References

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I, the undersigned, certify that, to the best of my knowledge and belief, this bio-data correctly describes myself, my qualification, performance in job and my experience.