

# Curriculum Vitae of Md. Nazmus Sakib

## Personal Information

**First name(s) / Surname(s):** MD NAZMUS SAKIB

**Present Address:** B26/02/11, BRP, 3 No West Dhamalkot, Mirpur-15, Dhaka-1206, Bangladesh.

**Permanent Address:** House No: 209/2, Village: Baniachol, Post Office: Narsingdi Sadar-1600, Sub-district: Narsingdi Sadar, District: Narsingdi, Division: Dhaka, Country: Bangladesh.

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**Personal Profile:** <https://sites.google.com/view/mdnazmussakib>

**University Profile:** <https://www.sau.edu.bd/teacher/383>

**ResearchGate:** <https://www.researchgate.net/profile/Md-Nazmus-Sakib-11>

**ORCID:** <https://orcid.org/0009-0001-6550-1047>

**Date of birth:** 08/07/1999

**Nationality:** Bangladeshi

**NID No:** 3305212437

**Passport No:** A01703233

**Gender:** Male



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## Work Experience

### Lecturer

*Sher-e-Bangla Agricultural University (SAU), Dhaka, Bangladesh*

*Faculty of Fisheries, Aquaculture & Marine Science,*

*Department of Fisheries Biology and Genetics*

*Dates: 19/12/2023 – Present*

### Research Fellow

*Aquatic Bioresource Research Laboratory (ABR Lab)*

*Faculty of Fisheries, Aquaculture & Marine Science,*

*Department of Fisheries Biology and Genetics*

*Sher-e-Bangla Agricultural University (SAU), Dhaka, Bangladesh.*

*Dates: 01/03/2021 – 18/12/2023*

### Moderator and Advisor

- **Moderator:** Sher-e-Bangla Agricultural University Film Society (SAUFS)  
(02/07/2025 – Present)
- **Advisor:** International Association of Students in Agricultural and Related Sciences (IAAS), SAU-Dhaka Unit (19/05/2024 – Present)
- **Moderator:** Sher-e-Bangla Agricultural University Computer Club (SAUCC)  
(28/05/2024 – Present)
- **Moderator:** Sher-e-Bangla Agricultural University Photographic Society (SAUPS)  
(15/09/2024 – Present)

## Education

### MS in Fisheries Biology and Genetics

*Sher-e-Bangla Agricultural University, Dhaka, Bangladesh*

*Result: 4.00/4.00 (1st Merit Position)*

*26 August 2022 - 21 November 2024*

### BSc in Fisheries (Hons)

*Sher-e-Bangla Agricultural University, Dhaka, Bangladesh*

*Result: 3.96/4.00 (1st Merit Position)*

*1 January 2017 – 27 February 2022*

### Higher Secondary Certificate (HSC)

*Rajuk Uttara Model College, Dhaka Board*

*Result: 5.00/5.00*

*1 July 2014 – 18 August 2016*

### Secondary School Certificate (SSC)

*Brahmondi KKM Govt High School, Dhaka Board*

*Result: 5.00/5.00 (11th in Dhaka Board)*

*1 January 2004 – 17 May 2014*

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## Research Interests

Marine Fisheries, Aquatic Ecology, Fisheries Resource Management, Environmental DNA (eDNA), Marine Biodiversity, Fish Population Dynamics, Stock Assessment, Fish Population Genetics, Genomics, Fisheries Genetic Engineering, Gene Editing, Fisheries Molecular Biology, Fisheries Biotechnology, Marine Biology, Marine and Coastal Ecosystems, GIS and Remote Sensing in Marine Fisheries, Oceanography, and Climate Change.

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## Publications

### Scientific Papers:

1. Habib, K. A., Shafi, S. K., **Sakib, M. N.**, Habib, F. B., & Azam, M. S. (2024). Canning Process of Hilsa Shad (*Tenualosa ilisha*) in Bangladeshi Style Mustard Curry Medium: Assessment of Thermal Sterilization and Shelf-Life Evaluation. *SSRN*. (preprint version) <https://ssrn.com/abstract=5243841>
2. Habib, K. A., Islam, M. J., **Sakib, M. N.**, Brishti, P. S., & Neogi, A. K. (2023). DNA barcoding of reef-associated fishes of Saint Martin's Island, Northern Bay of Bengal, Bangladesh. *Ecology and Evolution*, *13*(10), e10641. <https://doi.org/10.1002/ece3.10641>
3. Hannan, M. A., Mahmud, M. S., Absar, M. N., Khan, N. A., **Sakib, M. N.**, Kamal, S. A., Rana, M. M. (2023). Cyclical disparity on catch configuration and effects of fishing gears on fish production of the north-western part of the Chalan Beel, Bangladesh. *International Journal of Fisheries and Aquatic Studies*, *11*(2):42-49. DOI: <https://doi.org/10.22271/fish.2023.v11.i2a.2789>

### **Books and Manuals:**

1. Habib, K. A., **Sakib, M. N.**, Habib, F. B., Hossain, M. J., Adhikary, N. R., Azam, M. S. and M. Z. H. Chowdhury. 2024. Technology Transfer and Operation Manual on Hilsa and Other Marine Fish Canning for Small and Medium-Scale Industrial Entrepreneurs. Sher-e-Bangla Agricultural University (SAU).
2. Habib, K. A., **Sakib, M. N.**, Habib, F. B., Hossain, M. J., Adhikary, N. R., Azam, M. S. and M. Z. H. Chowdhury. 2023. Production of Safe Dried Fish Using SAU DoF Smart Solar Sun Dryer. Aquatic Bioresource Research Lab., Faculty of Fisheries, Aquaculture and Marine Science. Md. Nazmus Sakib is a co-author of this training manual.

### **Popular Articles:**

1. Habib, K. A., **Sakib, M. N.**, Chowdhury, M. Z. H. (2024). Hilsa canning: An achievement in fish processing research of Sustainable Coastal and Marine Fisheries Project. *National Fish Week 2024 Compendium (in Bangla)*. Department of Fisheries, Ministry of Fisheries and Livestock, Bangladesh.
2. Habib, K. A., **Sakib, M. N.**, Alim, M. A. (2023). SAU-DOF Smart Solar-Sun Dryer: An Effective System for Quality Dried Fish Production Using Renewable Energy. *National Fish Week 2023 Compendium (in Bangla)*. Department of Fisheries, Ministry of Fisheries and Livestock, Bangladesh.

### **Poster Presentations:**

1. "Assessing shellfish diversity of aquatic habitats of the Sundarbans mangrove ecosystem of Bangladesh" presented at the 2nd UN Ocean Decade Regional Conference & 11th WESTPAC International Marine Science Conference, Bangkok, Thailand (2024).
2. "Development of Ready-to-Eat Canned Hilsa Shad: Potential for Entrepreneurship and Export" presented at the 1st International Fisheries and Aquaculture Conference (IFAC), Rajshahi (2024).
3. "Development of an integrated Solar-Sun Dryer for Quality and Safe Dried Fish Production" presented at the 1st International Fisheries and Aquaculture Conference (IFAC), Rajshahi (2024).
4. "First attempt to assess fish diversity of the Sundarbans mangrove wetland and Saint Martin's coral island of Bangladesh using eDNA metabarcoding" presented at the 4th International Workshop for Mangrove Biodiversity Studies by eDNA Metabarcoding, Malaysia.
5. "Genetic diversity and population structure of Asian green mussel (*Perna viridis*) in the Bay of Bengal, Bangladesh" presented at the 2nd International Conference on Sustainable Fisheries (ICSF) 2022, Sylhet Agricultural University, Sylhet.
6. "Genetic diversity and population structure of Flathead sillago, *Sillaginopsis domina* in the northern Bay of Bengal, Bangladesh" presented at Un-Decade of Ocean Science – Imperatives for Bangladesh, Bangabandhu Sheikh Mujibur Rahman Maritime University (BSMRMU), Bangladesh.

7. "Population genetic structure and diversity of Paradise threadfin (*Polynemus paradiseus*) in the Bangladesh coast of the northern Bay of Bengal" presented at Un-Decade of Ocean Science – Imperatives for Bangladesh, Bangabandhu Sheikh Mujibur Rahman Maritime University (BSMRMU), Bangladesh.
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## Awards and Scholarships

1. **Bangabandhu Sheikh Mujib Scholar Award (2022):** Awarded by the Prime Minister's Educational Assistance Trust, Bangladesh, for academic excellence, research, and extracurricular achievements.
  2. **National Science and Technology (NST) Fellowship (2023-24):** Awarded by the Ministry of Science and Technology, Bangladesh.
  3. **UGC Merit Scholarship (2022):** Awarded for securing 1st Merit Position during Bachelor studies.
  4. **SSC "Medha Talent" Scholarship (2014):** Awarded for achieving 11th place in Dhaka Board.
  5. **JSC "Talent Pool" Scholarship (2011):** Awarded for securing 2nd place in Narsingdi District.
  6. **Primary School "Talent Pool" Scholarship (2008):** Awarded for securing 5th position in Narsingdi Sadar Upazila.
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## Extracurricular Activities & Experiences

- **President (Executive Committee 2022-23):** Sher-e-Bangla Agricultural Computer Club (SAUCC) (07/03/2022 – 17/05/2023)
- **Event Planning Secretary (Executive Committee 2020-22):** Sher-e-Bangla Agricultural University Photographic Society (SAUPS) (04/02/2020 – 23/01/2023)
- **Communication and IT Secretary (Executive Committee 2022-24):** Bangladesh Fish Hospital (16/09/2022 – 30/06/2024)
- **Joint Secretary (Executive Committee 2020-22):** Sher-e-Bangla Agricultural University Entrepreneurship Development Club (SAUEDC) (13/05/2019 – 15/01/2022)
- **Campus Ambassador:** Grameenphone Campus Ambassador Program (01/01/2018 – 31/12/2018)
- **Campus Director:** Hult Prize Program 2018, Sher-e-Bangla Agricultural University (01/07/2018 – 30/06/2019)

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## International Symposium & Conferences in Abroad

- ***International Symposium on Environmental DNA for Conservation and Biomonitoring in Southeast Asia (eDNAConBio 2025)***: The University of Nottingham Teaching Centre (KLTC), Kuala Lumpur, Malaysia (18-19 February 2025).
- ***2nd UN Ocean Decade Regional Conference & 11th WESTPAC International Marine Science Conference***: Bangkok, Thailand (22-25 April, 2024).

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## Training, Courses and Workshops

### International (In abroad)

1. ***10th International Workshop for Mangrove Biodiversity Studies by eDNA Metabarcoding***: The University of Nottingham Teaching Centre (KLTC), Kuala Lumpur, Malaysia (21-23 February 2025)
2. ***7th International Workshop for Mangrove Biodiversity Studies by eDNA Metabarcoding***: University of the Ryukyus, Japan (16-23 July, 2024)
3. ***Training Workshop on Monitoring Marine Fish Communities with Environmental DNA Method***: Phuket, Thailand (27–29 November, 2023)

### National (in Bangladesh)

1. ***Hands-on workshop on Precision Gene Editing with CRISPR-Cas9 Technology: Tools & Applications***: Bangladesh Association for Plant Tissue Culture & Biotechnology (BAPTC&B) and Plant Breeding & Biotechnology Laboratory, Department of Botany, University of Dhaka, Bangladesh (25- 29 May 2025)
2. ***Training on Basic R & Molecular Analysis***: Aquatic Bioresource Research Lab. Department of Fisheries Biology and Genetics, Faculty of Fisheries, Aquaculture & Marine Science, Sher-e-Bangla Agricultural University, Sher-e-Bangla Nagar, Dhaka-1207, Bangladesh (01 December, 2024 - 18 January 2025)
3. ***Bioinformatics for Beginners***: National Institute of Biotechnology, Dhaka (10-11 January, 2023)
4. ***Workshop on Cybersecurity Awareness***: Bangladesh Telecommunication Regulatory Commission and Cyber Crime Awareness Foundation (13 October, 2022)
5. ***Training on using SPSS for Biological Science & Field Research***: SAU Computer Club (25-27 August, 2022)
6. ***Training on using SPSS for Social Science Research***: SAU Computer Club (18-27 August, 2022)
7. ***Certificate Course on Exploring Ocean, Explore the Planet Earth: Octophin***, University of Chittagong (20-26 August, 2020)

8. *Certificate Course on Microsoft Office Applications: SAU Computer Club* (07 November 2019 – 07 February 2020)
  9. *Training Program on Graphic Design: Creative IT Institute, Dhanmondi, Dhaka* (26-28 August, 2019)
  10. *Training on BFRI Evolved Technology for Fisheries Development: Bangladesh Fisheries Research Institute-BFRI, Mymensingh* (05-07 December, 2018)
  11. *Training on Integrated Rooftop Agriculture Management: Chittagong Veterinary & Animal Science University* (17 February, 2018)
  12. *1st Aquaponics Training for the Beginners: Bangladesh Agricultural University, Mymensingh* (22-23 September, 2017)
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## Development of National Web Portals on Aquatic and Marine Biodiversity of Bangladesh

1. **Marine Biodiversity Portal of Bangladesh:** Research Associate (2023)  
<https://marinebiodiversity.org.bd>
  2. **Freshwater Biodiversity Portal of Bangladesh:** Research Associate (2023)  
<https://freshwaterbiodiversity.org.bd>
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## Research Cruise

- **Environmental DNA (eDNA) Expeditions in UNESCO World Heritage Marine Sites:** Sundarbans mangrove forest, Bangladesh (January 2023). Details: <https://www.unesco.org/en/articles/school-aged-pupils-and-university-students-join-unesco-environmental-dna-sampling-sundarbans?hub=66910>
  - **eDNA Sampling around Ko Racha Yai Island, Phuket, In the Andaman Sea**  
Name of Vessel: R/V Chakratong Tongyai (Research Vessel of Department of Marine and Coastal Resources (DMCR), Phuket, Thailand) (28 November 2023)
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## Languages

- **Bangla:** Native
  - **English:** Proficient
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## Skills

- Proficient in Microsoft Office Applications, qGIS Mapping, MEGA, Chromas, DNAsp, Arlequin, R Programming.
  - Expertise in Adobe Photoshop, Illustrator, Premiere Pro, and After Effects.
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## References

1. **Prof. Dr. Kazi Ahsan Habib**  
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