

Department of Fisheries Management
Gazipur Agricultural University
<https://gau.edu.bd/fmg/>

Faculty Members

Professor: 5

1. Prof. Dr. Farhana Haque
2. Prof. Dr. Dinesh Chandra Shaha
3. Prof. Dr. Tasmina Akter
4. Prof. Dr. Md. Nurunnabi Mondal
5. Prof. Dr. Md. Emranul Ahsan

Associate Professor: 1

1. Dr. Mst. Rubia Banu

Lecturer: 0

Officers and Staff

Name	Designation
1. Md. Maraj Hossain Siddiki	Office Assistant Cum Computer Operator
2. Md. Deluar Hossain Akanda	Lab. Technician
3. Sumaya Rahaman	Lab. Attendant
4. Anita Rani Das	Office Attendant

MS Thesis (year 2025)

Name & Reg. No. of the student	Title of the Thesis	Major Professor	Term of Graduation
Sharmin Akter 18-05-4680	Prevalence Of Antibiotic Resistance Genes from <i>Labeo Rohita</i> Commercial Aquaculture System in North-Western Regions of Bangladesh	Prof. Dr. Farhana Haque	Autumn 2025
Md. Munem Shahriar 2022-08-6117	Assessment of Water Quality parameters and Their Impacts on plankton ecosystem in middle coast in Bangladesh	Prof. Dr. Dinesh Chandra Shaha	Summer 2025
Touhid Ahmed 2023-05-6519	Identification Of Probiotic Bacteria from Sea Bass (<i>Lates Calcarifer</i>) Of Harvested from The Bay of Bengal	Prof. Dr. Tasmina Akter	Winter 2025
Anamika Roy 2022-08-6139	Assessment Of Heavy Metals from <i>Labeo Rohita</i> Commercial Aquaculture System in The Northwest Regions of Bangladesh and Associated Health Risk	Prof. Dr. Md. Emranul Ahsan	Summer 2025

Md. Darun Nayem Tamim 2018-05-4649	Quantification And Characterization of Microplastic Contamination in Freshwater Snakehead (<i>Channa Striata</i>) From Northeastern Bangladesh	Prof. Dr. Md. Emranul Ahsan	Autumn 2025
K. F. Jannatul Islam 2018-05-4669	Assessment Of Microplastic Contamination in Freshwater Snakehead <i>Channa Punctata</i> from the North-Eastern Region of Bangladesh	Prof. Dr. Md. Emranul Ahsan	Autumn 2025
Rejuwan Ahmmed Shawan 2018-05-4676	Livelihood Status of Fish Farmers and Aquaculture Practices in Jamalpur District of Bangladesh	Prof. Dr. Md. Emranul Ahsan	Winter 2025
D.M. Rokibul Hoque Siddiqui 2023-05-6525	Antibacterial Potential and Characterization of Seaweed-Associated Bacteria Against Two Major Fish Pathogens	Prof. Dr. Md. Nurunnabi Mondal	Winter 2025
Israth Jarin Promi 2023-05-6524	Accumulation of Metal and Metalloid in Seaweed and Associated Environment of the Coastal Bay of Bengal: Implications for Risk Assessment	Prof. Dr. Md. Nurunnabi Mondal	Winter 2025

PhD Thesis (year 2025)

Name & Reg. No. of the student	Title of the Dissertation	Major Professor	Term of Graduation

List of Research Project (Ongoing): Internal/External (year 2025)

Name of PI & Co-PI	Title of the Project	Funding Source with Budget	Starting Year
PI: Prof. Dr. Dinesh Chandra Shaha Co-PI: Prof. Dr. Farhana Haque	Exploring the Potential Areas with Suitable Environmental Conditions for Unfed Mariculture in the Southeast Coast of Bangladesh	RMW project, 1100,000 BDT	2023-Ongoing
PI: Prof. Dr. Tasmina Akter Co-PI: Prof. Dr. Murshida Khan	Identification and characterization of the isolated bacterial pathogens from diseased Tilapia in Gazipur District and their control measures using selected medicinal plants	RMW 1140000/-	2023-Ongoing
PI: Dr. Mst. Rubia Banu Co-PI: Dr. Md. Golam Rasul	Effects of jackfruit supplementation on the growth, feed utilization, hematological indices, non-specific immunity and disease resistance of the freshwater prawn <i>Macrobrachium rosenbergii</i> .	RMW 330000.00	2023-Ongoing
PI: Dr. Mst. Rubia Banu Co-PI: Masum Billah	Fermented jackfruit (<i>Artocarpus heterophyllus</i>) as an alternative enriched protein source and enhanced immunity of freshwater Nile Tilapia (<i>Oreochromis niloticus</i>)	Ministry of Science and Technology 325000.00	2025-Ongoing

PI: Prof. Dr. Dinesh Chandra Shaha Co-PI: Prof. Dr. Murshida Khan	Exploring the cause of taste variation of Hilsa (<i>Tenualosa ilisha</i>) by nutritional profiling and food variation from different estuaries of Bangladesh.	Ministry of Education 1200,000 BDT	2023-2026
PI: Prof. Dr. Md Nurunnabi Mondal Co-PI: Prof. Dr. Md. Mahidul Islam Masum	Assessment of potentially toxic elemental and bacterial content in seaweed with an emphasis on their effects on fish.	Research Management Wing (RMW Project-18) BDT 11,40,000	2023-2026

List of Research Project (Completed): Internal/External (year 2025)

Name of PI & Co-PI	Title of the Project	Funding Source with Budget	Completion Year
PI: Prof. Dr. Tasmina Akter Co-PI: Dr. Md. Golam Rasul	Isolation, characterization and assessment of antibacterial activity of probiotic bacteria isolated from marine fish harvested from the Bay of Bengal	UGC 300000/-	2025
PI: Prof. Dr. Md. Emranul Ahsan Co-PI: Prof. Dr. Mohammad Lutfar Rahman	Impacts of emerging pollutants on commercial Indian Major Carp (<i>Labeo rohita</i> , Hamilton) aquaculture systems in Bangladesh	Research Management Wing, Gazipur Agricultural University 900000.00	2025
PI: Dr. Mst. Rubia Banu Co-PI: Dr. Md. Golam Rasul	Impact of fishmeal replacement with jack fruit seed (<i>Artocarpus heterophyllus</i>) on growth performance, body composition, enzyme activities and immune response of freshwater catfish Gulsa (<i>Mystus cavasius</i>)	UGC 300000.00	2025
PI: Prof. Dr. Dinesh Chandra Shaha Co-PI: Prof. Dr. Farhana Haque	Quantitative determination of fatty acid and amino acid profiles of Hilsa (<i>Tenualosa ilisha</i>) fish between the Padma and Bishkhali Rivers for taste variation	Ministry of Science and Technology (SRG-241009) 250,000 BDT	2025

List of Released Varieties/Technologies (year 2025)

Name of the variety/ Technology	Year of Release	Salient Features	Photo

List of Seminar/Workshop/Training Attended (Local and foreign) (year 2025)

Name	Program attended	Date	Country	Role / contribution in the program
Prof. Dr. Farhana Haque	International Conference on Regenerative Agriculture for Sustainable Food Security	12-13 December 2025	Bangladesh	Presenter
Prof. Dr. Farhana Haque	Training on Winning Proposals for HEAT: From Understanding the 2 nd Call to Crafting Competitive	1 Day (09 November 2025)	Bangladesh	Trainee
Prof. Dr. Farhana Haque	Seminar on Strengthening Innovation and Intellectual Property Management for Quality Enhancement in Agricultural Research and Education	21 st April, 2025	Bangladesh	Trainee
Prof. Dr. Dinesh Chandra Shaha	Gazipur Agricultural University International Conference on Regenerative Agriculture for Sustainable Food Security	12-13 December 2025	Bangladesh	Presenter
Prof. Dr. Dinesh Chandra Shaha	Promoting Respect and Equality: Awareness on Sexual Harassment and Gender Balance	19 November 2025	Bangladesh	Participant
Prof. Dr. Dinesh Chandra Shaha	From Framework to Practice: Implementing BNQF for Quality Assurance and Accreditation in Gazipur Agricultural University	15 October 2025	Bangladesh	Participant
Prof. Dr. Dinesh Chandra Shaha	The 3 rd International Conference on Sustainable Fisheries (ICSF) 2025	5-7 September 2025	Bangladesh	Presenter
Prof. Dr. Dinesh Chandra Shaha	OBE curriculum development training: Faculty presentations & expert review based on need-based assessment	17 September 2025	Bangladesh	Participant
Prof. Dr. Dinesh Chandra Shaha	1 st international scientific conference on sustainable aquaculture and fisheries 2025	29-30 April 2025	Bangladesh	Presenter and Session cochairman
Prof. Dr. Dinesh Chandra Shaha	Workshop on self-assessment frameworks, data collection, evaluation techniques, and preparation of Self-Assessment Reports.	03 March 2025	Bangladesh	Participant (FoF team of Self-assessment)
Prof. Dr. Dinesh Chandra Shaha	Workshop on Preparation for Accreditation: Documentation and Evidence	09 February 2025	Bangladesh	Participant (FoF team of Self-Assessment)
Prof. Dr. Dinesh Chandra Shaha	Seminar on Annual Research Result Presentation 2024	11 January 2025	Bangladesh	Participant (FoF team of Self-Assessment)
Prof. Dr. Tasmina Akter	Training on Winning Proposals for HEAT: From Understanding the 2 nd Call to Crafting Competitive	1 Day (09 November 2025)	Bangladesh	Participant

Prof. Dr. Tasmina Akter	Training on Disease Early Warning System (DEWAS)–Wheat Blast Diagnostic-	1 Day (6 th November, 2025)	Bangladesh	Trainee
Prof. Dr. Tasmina Akter	Seminar on Strengthening Innovation and Intellectual Property Management for Quality Enhancement in Agricultural Research and Education	21 st April, 2025	Bangladesh	Trainee
Prof. Dr. Tasmina Akter	Training on Course Documentation & File Compliance for Accreditation	18 th March, 2025	Bangladesh	Trainee
Prof. Dr. Md. Nurunnabi Mondal	Training on Course Documentation & File Compliance for Accreditation	18 th March, 2025	Bangladesh	Trainee
Prof. Dr. Md. Nurunnabi Mondal	International Conference on Regenerative Agriculture for Sustainable Food Security	12-13 December 2025	Bangladesh	Presenter
Prof. Dr. Md. Nurunnabi Mondal	Training on Winning Proposals for HEAT: From Understanding the 2 nd Call to Crafting Competitive	1 Day (09 November 2025)	Bangladesh	Trainee
Prof. Dr. Md. Nurunnabi Mondal	Seminar on Strengthening Innovation and Intellectual Property Management for Quality Enhancement in Agricultural Research and Education	21 st April, 2025	Bangladesh	Trainee
Prof. Dr. Md. Emranul Ahsan	International Conference on Regenerative Agriculture for Sustainable Food Security	12-13 December 2025	Bangladesh	Presenter
Dr. Mst. Rubia Banu	Training program on “Course Documentation & File Compliance for Accreditation”	IQAC, GAU	31 th August, 2025	Trainee
Dr. Mst. Rubia Banu	“Winning Proposals for HEAT – From Understanding the 2 nd Call to Crafting Competitive Submissions”	IQAC, GAU	09 Nov, 2025	Trainee
Dr. Mst. Rubia Banu	Seminar on “Promoting Respect and Equality”	IQAC, GAU	19 Nov, 2025	Participant
Dr. Mst. Rubia Banu	GAUIC 2025 — International Conference on Regenerative Agriculture for Sustainable Food Security	GAU	12-13 December 2025	Participant

Administrative Duties by the Departmental Members (if any with tenure)

Name	Position & Address	Duration
Prof. Dr. Md. Nurunnabi Mondal	Head, Department of Fisheries Management	17/07/2024 to 16/07/2026

List of Publication by the Members of the Department (Year 2025)

a) Journal

Akter, T. 2025. Streptococcosis an emerging multispecies bacterial disease in aquaculture: A review. *Egyptian Journal of Aquatic Biology and Fisheries* (Article in Press).

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

Rahman, T., Das, S.K., Rahman, M.L., **Ahsan, M.E.**, Mimi, M.S., Islam, M.N., Hasan, M.T., Pandit, M., and Mazumder, S.K. (2025). Nutritional modulation with chitosan nanoparticles and α -tocopherol enhances growth, health, and gut histology in butter catfish (*Ompok pabda*). *Discover Food*, 5:325. <https://doi.org/10.1007/s44187-025-00621-1>

Bristy, F.S., Amzad Hossain, M., Das, M., Udoy, F.R., Shah Alam Sarker, M., Jebin, M. & **Rubia Banu, M.** (2025). Exposure to cobalt chloride alters hemato-biochemical indices and erythrocyte morphology in stinging catfish, *Heteropneustes fossilis*. *Fisheries & Aquatic Life*, 33(1), 46-58. <https://doi.org/10.2478/aopf-2025-0004>

Akter, R., Nisa, M. S. F., Dulal, M. A., Majumdar, B. C., Tannisa, I. J., **Mondal, M. N.**, Shah, A. K. M. A., & Rasul, M. G. (2025). Enhancement of quality and storability of vacuum-packed refrigerated Tilapia pickle using Moringa leaf powder. *Food Chemistry Advances*, 6, 100882. <https://doi.org/10.1016/j.focha.2024.100882>

Akter, M., Masum, M. M. I., Uddin, M. R., & **Mondal, M. N.*** (2025). Nutritional profile and ultimate analysis of seaweed from the Bay of Bengal: An assessment of seaweed resources and blue economic potential. *Regenerative Agriculture for Sustainable Food Security, Gazipur Agricultural University International Conference 2025*, GAUIC 12–13 December 2025.

Bhuyan, M.S., Bakar, M.A., Islam, M.T., Meraj, G., Kunda, M., Ali, M.M., Hossain, N., Roy, R., **Shaha, D.C.**, Iheanacho, S. and Mansour, L., 2025. Assessment of ecological and human health concerns associated with heavy metal poisoning in the sediments of Western St. Martin's Island, Bangladesh. *Estuarine Management and Technologies*, 2, pp.9-42.

Anik, A. R., Sharna, S. C., **Shaha, D. C.**, & Salam, Md. A. 2025. Drivers and productivity effect of using improved pond aquaculture practices in commercial and subsistence farms in Bangladesh. *Journal of Applied Aquaculture*, 1–21. <https://doi.org/10.1080/10454438.2025.2516515>

b) Book/Book Chapter

Postgraduate Student's Information (Year 2025)

Program	Number
MS	18
PhD	0
Total =	18

Courses Offered by the Department at Undergraduate Level

Term	Course code	Title of the course	Level	Credit	Instructor(s)
Year 2025					
Summer	FMG 215	Planktology		3	Prof. Dr. Tasmina Akter Prof. Dr. Md. Emranul Ahsan
	FMG 110	Freshwater Ecology		3	Prof. Dr. Farhana Haque Dr. Mst. Rubia Banu
	FMG 425	Oceanography and Marine Biology		4	Prof. Dr. Dinesh Chandra Shaha Prof. Dr. Md. Nurunnabi Mondal
Autumn	FMG 135	Estuarine and Marine ecology		3	Prof. Dr. Dinesh Chandra Shaha Prof. Dr. Tasmina Akter
	FMG 345	Fish Pharmacology		4	Prof. Dr. Dinesh Chandra Shaha Prof. Dr. Tasmina Akter
	FMG 240/231	Fish Parasitology		4	Prof. Dr. Md. Emranul Ahsan Dr. Mst. Rubia Banu
	FMG 450	Fisheries Management and Conservation		4	Prof. Dr. Md. Emranul Ahsan Dr. Mst. Rubia Banu
Winter	FMG 270	Fish Pathology		4	Prof. Dr. Tasmina Akter Prof. Dr. Md. Nurunnabi Mondal
	FMG 375	Fish Population Dynamics		3	Prof. Dr. Tasmina Akter Prof. Dr. Md. Nurunnabi Mondal
	FMG 165/161	Limnology		4	Prof. Dr. Farhana Haque Dr. Mst. Rubia Banu

Courses Offered by the Department at Postgraduate Level

Term	Course code	Title of the course	Level	Credit	Instructor(s)
Year 2025					
Summer	FMG 560	Community Based Fisheries Management		3	Prof. Dr. Dinesh Chandra Shaha Prof. Dr. Md. Emranul Ahsan
	FMG 560	Climate Change and Fisheries		3	Prof. Dr. Md. Nurunnabi Mondal Dr. Mst. Rubia Banu
	FMG 555	Estuarine and Coastal Dynamics		3	Prof. Dr. Dinesh Chandra Shaha Prof. Dr. Md. Nurunnabi Mondal

Autumn	FMG 517	Fish Immunology		3	Prof. Dr. Farhana Haque Prof. Dr. Tasmina Akter
	FMG 560	Integrated Coastal Zone Management		3	Prof. Dr. Dinesh Chandra Shaha Prof. Dr. Md. Emranul Ahsan
Winter	FMG 516	Fish Pathology		3	Prof. Dr. Tasmina Akter Prof. Dr. Md. Nurunnabi Mondal
	FMG 532	Fish Health Management		3	Prof. Dr. Tasmina Akter Prof. Dr. Md. Emranul Ahsan
	FMG 503	Water Quality and Environmental Impacts		3	Prof. Dr. Md. Nurunnabi Mondal Dr. Mst. Rubia Banu
	FMG 501	Fisheries Recourse Management		3	Prof. Dr. Farhana Haque Prof. Dr. Dinesh Chandra Shaha

Other's Information (if any):