



Bipul Kumar Dey

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OBJECTIVES

PhD in Fish Nutrition (June 2025), completed in collaboration with Wageningen University (Netherlands), De Heus (Netherlands), and WorldFish (Malaysia/Bangladesh). My core expertise lies in fish bioenergetics, with a focus on quantitative research examining how digestive macronutrients contribute to fish growth. I also investigate the environmental factors influencing bioenergetic efficiency. Driven by a commitment to sustainable aquaculture, I am eager to apply my knowledge to advance innovation and resilience in the aquaculture sector.

WORK EXPERIENCE

Hatchery Assistant – Technical Operations [04/2015 – 08/2015]

Saudia Shrimp Hatchery | City: Cox's Bazar Country: Bangladesh

- Cultured and counted rotifers; enriched them with microalgae | Cultured microalgae and performed cell counts | Hatched and harvested *Artemia* | Fed and monitored growth of shrimp post-larvae | Managed axenic rotifer and algal stock cultures under sterile laboratory conditions

Research Assistant [07/2014 – 04/2015]

WorldFish | City: Dhaka Country: Bangladesh Website: [↗](#)

- Hands in breeding process of *Labeo rohita* for its genetic improvement at hatchery level | Rearing of spawns to fingerlings

Data Enumerator [04/2012 – 04/2015]

WorldFish | City: Dhaka Country: Bangladesh Website: [↗](#)

- Collected data from fish farmers participating in fisheries and aquaculture development projects | Processed and submitted data to supervisor in a timely manner

President of a Cultural Club [06/2014 – 06/2015]

Jashore University of Science and Technology | City: Jashore Country: Bangladesh Website: [↗](#)

- Organized cultural programs collaboratively with the team | Coordinated and supported the team by arranging regular practice sessions

EDUCATION AND TRAINING

PhD (Energy evaluation of tilapia feed) [03/2020 – 06/2025]

Wageningen University & Research | City: Wageningen Country: Netherlands Website: [↗](#)

Effective Behavior in Professional Surroundings [06/12/2023 – 15/12/2023]

Wageningen University & research | City: Wageningen Country: Netherlands Website: [↗](#)

Critical Thinking and Argumentation [17/11/2022 – 17/11/2022]

Wageningen University & Research | City: Wageningen Country: Netherlands Website: [↗](#)

Project and Time Management [14/09/2022 – 28/10/2022]

Wageningen University & Research | City: Wageningen Country: Netherlands Website: [↗](#)

Leading Culturally Diverse Teams in the Workplace [01/06/2020 – 03/06/2020]

Coventry University | City: Coventry Country: United Kingdom Website: [↗](#)

MSc in Aquaculture [09/2015 – 09/2017]

Ghent University | City: Ghent Country: Belgium Website: [↗](#)

MSc in Fisheries [07/2013 – 07/2015]

Jashore University of Science & Technology | City: Jashore Country: Bangladesh Website: [↗](#)

SOFT SKILLS

Collaboration | Interpersonal skills | Organizing and prioritizing | Problem solving | Time management | Adaptability and flexibility | Commercial awareness | Team work | Leadership

DIGITAL SKILLS

Computer proficiency | MS Word, Excel, PowerPoint | Data analysis | File management and sharing (Google Drive, OneDrive, etc.) | Email management (Gmail, Outlook, etc.) | Video conferencing (Zoom, Microsoft Teams, Google Meet) | Social media management (LinkedIn, Facebook) | Scientific artwork (Adobe Illustrator)

LANGUAGE SKILLS

Mother tongue: Bengali Other language: English

HONOURS AND AWARDS

[09/2015]

VLIR-UOS scholarship for MSc in Aquaculture at Ghent University, Belgium

[09/2017]

INVE Prize-2017 for the excellence in MSc research at Ghent University, Belgium [↗](#)

[06/2022]

Best oral presentation in ISFNF conference in Sorrento, Italy

HOBBIES AND INTERESTS

Research | Reading scientific articles and magazines | Singing

ACADEMIC THESES

[2025, PhD thesis]

Nutritional value of macronutrients for Nile tilapia: Environment matters! [↗](#)

[2017, MSc thesis]

Effect of plant-derived compound on host-pathogen interaction [↗](#)

RECENT PUBLICATIONS [\[see all in Google Scholar ↗\]](#)

[2025]

Energy utilization efficiencies of digestible starch and non-starch polysaccharide in Nile tilapia [↗](#)

[2024]

Effect of temperature on the digestibility of non-starch polysaccharide-rich ingredients in Nile tilapia [↗](#)

[2024]

Dietary *P. guajava*, guava leaf extract protects *O. niloticus*, Nile tilapia from *P. aeruginosa* infection and enhances growth [↗](#)

[2023]

Effect of temperature on the energy utilization efficiencies of digested protein, fat, and carbohydrates in Nile tilapia [↗](#)

[2020]

Effect of black cumin seed oil on growth, innate immunity, and resistance against a bacterial infection in Nile tilapia [↗](#)

[2020]

Viral contamination of tiger shrimp *Penaeus monodon* broodstock in Bangladesh [↗](#)

[2019]

Causative agent, diagnosis, and management of white spot disease in shrimp: A review [↗](#)