**About**

My name is Pronoy Mondal, and I am a highly motivated research enthusiast with a strong academic background. I come from a science background and have consistently secured outstanding results and positions throughout my academic career. Currently, my primary research interest is in fish food, with a focus on processing, contamination, and safe and sustainable seafood production. I am dedicated to conducting rigorous and innovative research to make a meaningful impact in this field. In addition, I am adept at working in the laboratory with long patience and long hours, ensuring that experiments are conducted meticulously and accurately. I enjoy playing university-level cricket and participating in stage management in my leisure time.

**Experience**

**University Research Assistant (July 2021 - present)**

Dept. of Fisheries Technology, Patuakhali Science and Technology University, Bangladesh

**Project:** Identification of Microplastic Contamination in Commercial Dried Marine Fish from the Bay of Bengal: an Implication of Marine Pollution to Seafood Safety.

**Fund:** Grant for Advanced Research in Education (GARE), Bangladesh Bureau of Educational Information and Statistics (BANBEIS), Bangladesh Ministry of Education.

**Education**

**MS in Fisheries Technology (2021)**

Patuakhali Science and Technology University, Patuakhali, Bangladesh. <http://pstu.ac.bd/>

**B.Sc in Fisheries (Hons.) (2020)**

Patuakhali Science and Technology University, Patuakhali, Bangladesh. <http://pstu.ac.bd/>

**Higher Secondary Certificate (H.S.C.) (2015)**

Bangladesh Navy (B.N.) College, Dhaka, Bangladesh. <https://bncd.edu.bd/>

**Secondary School Certificate (S.S.C.) (2013)**

Kalta Avoya Charan High School, Manikganj, Bangladesh. <https://www.sohopathi.com/kalta-avoya-charan-high-school/>

**Publication**

**Published:**

1. Hasan, J., Dristy, E. Y., Anjumanara, R., **Mondal, P.,** Hoque, M. S., Hossain, M. A. R. & Shahjahan, D. M. (2023). Dried fish more prone to microplastics contamination over fresh fish - higher potential of trophic transfer to human body. Ecotoxicology and Environmental Safety, 250 (2023), 114510. <https://doi.org/10.1016/j.ecoenv.2023.114510>
2. Hoque, M. S., Tamanna, F., Hasan, M. M., Al Banna, M. H., **Mondal, P.,** Prodhan, M. D. H., Rahman, M. Z. & van Brakel, M. L. (2022). Probabilistic public health risks associated with pesticides and heavy metal exposure through consumption of common dried fish in coastal regions of Bangladesh. Environmental Science and Pollution Research, 29(14), 20112–20127. <https://doi.org/10.1007/s11356-021-17127-9>
3. Al Banna, M. H., Tamanna, F., Hasan, M. M., **Mondal, P.,** Hossain, M. B., Chakma, S., Jaman, M. N. & Khan, M. S. I. (2022). Nutritional, microbial and other quality aspects of common dried fish from different commercial fish drying centers in Bangladesh. Heliyon, 8 (10), e10830. <https://doi.org/10.1016/j.heliyon.2022.e10830>

**Upcoming:**

1. Chakma, S., Rahman, M. A., **Mondal, P.**, Ullah M. R., Hoque, M. S., Bhowmik, S., Rubel, M. R. I., Debnath, S. & Mali, S. K. (2022). Evaluation of sensory, biochemical, and microbial quality of fermented shrimp paste product during long-term cold storage. *Food Research.* Article accepted for publication **(In final revision).**
2. ‘Elucidating the Extent, Nature, and Potential Sources of Microplastic in the Bay of Bengal Fish: Insights from Multivariate Statistics And FTIR Spectroscopy’. Target journal: Hazardous materials. **(*Contributed as* *Leading author, will be submitted soon*).**
3. ‘Public health risks associated with chemical contamination (pesticide and heavy metals) in freshwater and marine water sourced dried fish.’ Target journal: Hygiene and Environmental Health Advances. **(*Contributed as* *Second author, will be submitted soon*).**
4. ‘Effect of Selected Probiotic Bacterial Strains on Growth, Nutrition and Frozen Storage Shelf-Life of Nile Tilapia (*Oreochromis niloticus*) Raised in Aquaria.’ **(*Contributed as* *Third author, will be submitted soon*).**

**Conference**

1. **Mondal, P.**, Hoque, M. S., Shahjahan, M., (2023). Microplastic Contamination in Marine Fresh Fish From the Bay of Bengal: a Seafood Safety Concern in Bangladesh. Abstract accepted for oral presentation (book page 81, FSB-YFSC2023-PH-05). *Fisheries Society of Bangladesh-Young Fisheries Scientists Conference 2023*. Organized by Fisheries Society of Bangladesh (FSB) on March 11.
2. Hoque, M. S., **Mondal, P.**, Shahjahan, M., (2023). Mps in Marine Fishes from the Bay of Bengal: a Concern for the Sustainable Marine Fisheries in Bangladesh. Abstract accepted for poster presentation (book page 106, PP-EP-13). *International Symposium on Healthy Mangroves And Sustainable Fisheries for Climate Resilient Coastal Community in Bangladesh.* Organized by Fisheries and Marine Resource Technology Discipline (FMRT), Khulna University on March 1-3.
3. Hoque, M. S., **Mondal, P.**, Shahjahan, M., (2023). Microplastic in Marine Fish Species from the Bay of Bengal: a Seafood Safety Concern in Bangladesh. Abstract accepted for poster presentation (book page 38, P-15). *5th International Scientific Conference on Food Safety and Health (ICFSH, 2023)*. Organized by Bangladesh Society for Safe Food (BSSF) on February 18.
4. Hoque, M. S., Tamanna, F., Hasan, M. M., Al Banna, M. H., **Mondal, P.**, Prodhan, M. D. H., Rahman, M. Z. and Brakel, M. L. V. (2022). Pesticides and heavy metals in dried fish: a public health concerns associated with consumption of common dried fish in coastal area of Bangladesh. Abstract accepted for oral presentation (Session-7). *9th Biennial Fisheries Conference and Research Fair 2022*. Organized by Bangladesh Fisheries Research Forum (BFRF) during May 28-29. **Awarded for Best Oral Presentation Award.**
5. Hoque, M. S., Tamanna, F., Hasan, M. M., Al Banna, M. H., **Mondal, P.**, Prodhan, M. D. H. and Rahman, M. Z. (2021). Public health risks associated with pesticides and heavy metal exposure through consumption of common dried fish in coastal regions of Bangladesh. Online oral presentation (Session-3, 38).*2nd Biennial Conference of Fisheries Society of Bangladesh (FSB, 2021)*. Organized by the Fisheries Society of Bangladesh (FSB) on December 25-26.
6. Hoque, M. S., Tamanna, F., Hasan, M. M., Al Banna, M. H., **Mondal, P.**, Prodhan, M. D. H., Rahman, M. Z. (2021). Assessment of public health risk associated with pesticides and heavy metal content in common dried fish from different coastal regions of Bangladesh. Abstract accepted (book page 18, O7) for oral presentation (Session-2). *4th National Scientific Conference on Food Safety and Health (NCFSH, 2021)*. Organized by the Bangladesh Society for Safe Food (BSSF) on October 29.
7. Hasan, M. B., Hoque, M. S., Tamanna, F., Hasan, M. M., **Mondal, P.** and Khan, M. S. I. (2021). Nutritional and microbial quality of common dried fish from different commercial fish drying centers in Bangladesh. Abstract accepted (book page 20, O11) for oral presentation (Session-3). *4th National Scientific Conference on Food Safety and Health (NCFSH, 2021)*. Organized by Bangladesh Society for Safe Food (BSSF) on October 29.
8. Hoque, M. S., **Mondal, P.**, Tamanna, F., Hasan, M. M. and Al Banna, M. H. (2021). Changes in organoleptic characteristics of common dried fish during consecutive storage period. Abstract accepted (book page 30, P19) for poster presentation. *4th National Scientific Conference on Food Safety and Health (NCFSH, 2021)*. Organized by Bangladesh Society for Safe Food (BSSF) on October 29.
9. Hoque, M. S., Hasan, M. M., Tamanna, F., **Mondal, P.**, Al Banna, M. H., Rahman, M. Z. and Prodhan, M. D. H. (2021). Evaluation of nutritional, pesticides and heavy metal content in common dried fish from different regions: risk-benefit of dried fish consumption in Bangladesh. Abstract accepted (book page 31, P21) for poster presentation. *4th National Scientific Conference on Food Safety and Health (NCFSH, 2021)*. Organized by the Bangladesh Society for Safe Food (BSSF) on October 29.
10. Participated in the closing workshop on “Post-harvest losses, Supply and Value Chain Analysis of Fisheries Sub-sector in Bangladesh”, Funded by BARC/PBRG, PIU-NATP-2. Organized by dept. of Basic Science, Faculty of Animal Science and Veterinary Medicine at PSTU on 1st September 2021.
11. Participated in “Symposium on Communication for Development (C4D) Curriculum and Research”, funded by UNICEF and organized by Patuakhali Science and Technology University (PSTU) on 26th January 2020.

**Training and Skill**

**Training:**

1. "Applied RT-PCR and Microbiology for Food and Health" (13/11/2022 – 17/11/2022)

Host: Microbiology and Molecular Biology department at Colonel Malek Medical College, Manikganj, Bangladesh.

1. “Basic ArcGIS Training for Beginners and Professionals” (01/11/2021 – 01/12/2021)  
   Host: Environmental Science and Disaster Management Club, PSTU.
2. “Overview and Safe Use of Laboratory Ventilation Equipment (Laminar Air Flow, Biosafety Cabinets, and Fume Hood)” (10/04/2019)

Host: ESCO (Biological Safety Institute) at Patuakhali Science and Technology University (PSTU).

**Skill:**

1. Language skills:

* Mother tongue: Bengali
* Second language: English (IELTS band score 7.0)

1. Laboratory skills:

* Field survey and sample collection
* Microplastic assessment
* FTIR analysis
* Proximate analysis (protein, lipid, ash, moisture)
* Microbial culture (nutrient, EMB, XLD, TCBS agar)
* RT-PCR test
* Fish processing and preservation
* Sensory test
* Fisheries product development (fish powder, nga-pi, shidhal, fish ball, fish burger, sausage, pickle etc.)

1. Software skills:

* Microsoft
* SPSS v26.00
* ArcGIS (ArcMap 10.8)
* Origin 2021
* JMP statistical software
* Mendeley

**Awards and Leadership**

1. “Best Oral Presentation Award”, Awarding institution: 9th Biennial Fisheries Conference and Research Fair 2022.
2. “National Science and Technology (NST) Fellowship Award (2021-2022)”, Awarding institution: Ministry of Science and Technology, People's Republic of Bangladesh.
3. President, ANUSHILON, (January 2021 – January 2023). A multifaceted (debating, quizzing, career talks, language learning, etc.) non-political organization operated by the students of the faculty of Fisheries at Patuakhali Science and Technology University.
4. “Dean’s Merit Award, 2019”, Awarding institution: Faculty of Fisheries, Patuakhali Science and Technology University.
5. Vice-President, ANUSHILON, (2019-2020)
6. Member Secretary, ANUSHILON (2018-2019)
7. Vice-President and Cultural Secretary of SANATAN SANGHA (2018-2019), a religious and cultural organization operated by the students who believe in and practice Hinduism.
8. Member and Vice-Captain of the Cricket Champion Team (FISHERIES) 'Inter-Faculty Cricket Tournament-2019', Department of Physical Education, PSTU.
9. Member of the Football Champion Team (FISHERIES) 'Inter-Faculty Football Tournament-2016', Department of Physical Education, PSTU.

**Certificate and Proof**

**Exhibition**