

MARAJ MIAH CV

Lecturer, Department of Food Engineering
North Pacific International University of Bangladesh
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RESEARCH INTERESTS

- Post-harvest technology of cereals, fruits, vegetables and shelf-life extension using non-thermal food preservation technology.
- Cereals quality on baking, product development using bi-products, cereals quality control.
- Dairy technology, food microbiology, fermentation, food safety, and functional food development.

EDUCATIONAL QUALIFICATIONS

M.S. in Food Technology

Oct 2022 - Jun 2024

Bangladesh Agricultural University, Mymensingh - 2202, Bangladesh

CGPA: 3.711 (out of 4.0)

Merit position: 2nd

Thesis: Effects of gamma irradiation and blanching on physico-chemical, phytochemicals, microbial, and sensory quality of Pineapple. My research objectives were to evaluate the effect of gamma irradiation and blanching on physico-chemical, phytochemicals, sensory, microbial quality, and shelf life of pineapple.

Courses studied: Food quality control and packaging, Food chemistry, Technology of cereals, Technology of animal products, Food microbiology, Food plant design and management, Sugar engineering, Food process laboratory, Food engineering, Technology of food products, Dairy engineering, and Food science.

B.Sc. in Nutrition and Food Science (Hons.)

Jan 2017 - Mar 2022

Patuakhali Science and Technology University, Patuakhali, Bangladesh

Major subject studied: Food technology and engineering, post-harvest technology and marketing, Food microbiology, Biochemistry and food analysis, Human nutrition and dietetics, Community health and hygiene, and Environmental sanitation.

CGPA: 3.760 (out of 4.0)

Merit position: 3rd

Merit position: 1st class 3rd

Thesis: Dietary diversity, Nutritional Status and Health Seeking Behavior among Adolescents in urban slums of Bangladesh.

Higher Secondary Certificate (H.S.C)

2016

Gurudayal govt. college, Kishoreganj

Major subject studied: Chemistry, Mathematics, Physics, and Biology.

GPA: 4.83 (out of 5.0)

Subject: Science

Secondary School Certificate (S.S.C)

2014

Kotiadi pilot model high school, Kishoreganj

Major subject studied: Physics, Chemistry, Mathematics, Social Science, and Biology.

GPA: 5.00 (out of 5.0)

Subject: Science

PROFESSIONAL EXPERIENCE

- **Lecturer**, Department of Food Engineering **17/04/2026 to till now**
North Pacific International University of Bangladesh, Basta, Singair Manikganj
- **Research Assistant**, Department of Food Engineering and Technology **Oct/2023 to Sep/2024**
Bangladesh Agricultural University

TRAINING PARTICIPATION

- Research Methods, Laboratory Techniques and Scientific Reports writing by Laboratory of Fish Ecophysiology, Department of Fisheries Management, Bangladesh Agricultural University (BAU), Mymensingh.
- Computer Fundamentals and Office Applications by Graduate Training Institute, BAU.
- International Marine Biology Course 2026 (Online) by Marine Biological Station, Sado Island Center for Ecological Sustainability, Niigata University
- Hands-on training on determination of bio-active compounds and their encapsulation into yoghurt by Department of Food Engineering & Technology, BAU.

WORKSHOP PARTICIPATION

- Fruit waste utilization and value addition -A way forward to safe & clean Bangladesh.
- Detection of milk adulterants using spectroscopy.

LABORATORY SKILLS

- Proximate Analysis
- Microbial culture, count, and staining
- Physico-chemical and phytochemicals Analysis

OTHER SKILLS

- Microsoft Office Application
- R Programming
- Minitab

SCHOLARSHIPS & AWARDS

- **National Science and Technology Fellowship** Oct 2023
Ministry of Science and Technology, Dhaka
- **Dean award – 2 times (Level- 2, 3)** 2018-2019
Faculty of Nutrition and Food Science, PSTU

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

- PSTU Nutrition Club (Member)
- Greater Mymensingh Students Welfare Association, PSTU (Vice President)
- Blood donation organization Bhadhon, PSTU (Member)

PUBLICATIONS

- **Miah M**, Noman MAA, Alim MA, Mehedi MNH, Uddin N, Tasnim M, et al. Effect of gamma irradiation and storage days on physicochemical, sensory, and microbial quality of pineapple (*Ananas comosus*) fresh cut under refrigeration. *Journal of the Science of Food and Agriculture*, 6(8): 292-300, 2026. <https://doi.org/10.1002/jsf2.70055>
- R. Afzal, H. Iqbal, N. Nur, A. Himal, N. Abdullah, **M. Maraj**, Y. sangida, I. Abdullah, M. Aziz: Integrated post-harvest management and machine learning-based quality classification for banana (*Musa sp.*) Shelf-life extension. *LWT - Food science and technology*, 252, 119575, 2026. [10.1016/j.lwt.2026.119575](https://doi.org/10.1016/j.lwt.2026.119575)
- **M. Maraj**, A. Abdul, K. Poly, Khan M. and R. Rafi. Effects of hot water blanching and storage time on the quality of refrigerated pineapple (*Ananas comosus*) slices. *International Journal of Natural and Social Sciences*, 2025,12(3):08-18 <https://ijnss.org/wp-content/uploads/2025/11/IJNSS-V12I3-2-PP-08-18.pdf>
- **M. Maraj**, A. Abdul, K. Poly and M. Nazmul Hasan: Effect of Non-Thermal Technology on Phenolic Contents, Sensory, and Microbial Quality of Ready-To-Eat Pineapple (*Ananas Comosus*), 17th International Scientific Conference of Chattogram Veterinary and Animal Sciences University (CVASU), Bangladesh, October 2025 (**Oral Presentation**).
- Identification, Quantification, and Characterization of Microplastics in uncooked chicken samples of different breeds (**manuscript ready for submission**).
- Development and evaluation of pre-treated bitter gourd drink (**manuscript ready for submission**).

RESEARCH EXPERIENCE

- Effect of organic, inorganic fertilizer and mulching on the nutritional quality of beetroot.
- Dietary diversity, nutritional status and health seeking behavior among adolescents in urban slums of Bangladesh.
- Self-reported egg safety practices among university students in Bangladesh: an analysis based on critical consumer handling points

PERSONAL DETAILS

- **Name:** Maraj Miah
- **Father's Name:** Md. Israil Miah
- **Mother's Name:** Rubina Akter
- **Date of Birth:** 12 January, 1999
- **Gender:** Male
- **Religion:** Islam
- **Marital Status:** Unmarried
- **Nationality:** Bangladeshi
- **Blood Group:** B+
- **Place of Birth:** Dori Chariakona, Kotiadi, Kishoregaj, Bangladesh.

REFERENCE(S)

Dr. Md. Abdul Alim

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Declaration: I hereby confirm that the aforementioned information is complete and correct to the best of my knowledge.

Sincerely

Maraj Miah