

Curriculum Vitae of Md Ashraful Islam

PERSONAL INFORMATION



Md. Ashraful Islam

📍 Kurshi, badla-itna, kishoregonj, 2310, Dhaka, Bangladesh

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👤 Md. Ashraful Islam

Sex Male | Date of birth 15/05/1996 | Nationality Bangladeshi

EDUCATION AND TRAINING

2019-2020

Master of Science (MSc) in Applied Nutrition & Food Technology

Islamic University, Kushtia, Bangladesh. Medium of Instruction: English

Result: 3.82 out of 4.00 Result published: 2023

Thesis title: “Application of bio-genic silver nanoparticle against betel leaf disease”

Relevant Coursework: Advanced Nutrition & Diet Therapy, Food Safety and Quality Management, Environmental Health & Toxicology, Advanced Food Analysis, Nutritional Data Analysis, Malnutrition Management, Research Thesis.

2015-2016

Bachelor of Science (BSc) in Applied Nutrition & Food Technology

Islamic University, Kushtia, Bangladesh. Medium of Instruction: English

Result: 3.68 out of 4.00 Result published: 2021

Thesis title: Optimization and characterization of silver nanoparticles using lactobacillus.

Relevant Coursework: Human Nutrition, Nutritional Biochemistry, Food Chemistry, Food Microbiology, Food Engineering, Food Processing and Preservation, Food Biotechnology, Bioinformatics, Molecular Biology, Food Analysis and Quality Control.

2012-2014

Higher Secondary Certificate (HSC) – Science

Gurudayal Government College, Kishoreganj, Bangladesh

Board of Intermediate and Secondary Education, Dhaka

Result: 4.50 out of 5.00 Result published: 2014

WORK EXPERIENCE

08/09/2023 – Cont.

Position: Lecturer

Employer: NPI University of Bangladesh (NPIUB), Dhaka, Bangladesh

Main Activities and Responsibilities: Deliver lectures and practical session in Food Engineering.

2020-2022

Position: Research Assistant

Employer: Bio Nanotechnology and Nano medicine Lab

Department of Applied Nutrition and Food Technology, Islamic University, Kushtia, Bangladesh.

Main Activities and Responsibilities: Biogenic silver nanoparticles synthesized via green synthesis for application in betel leaf disease control; assisted in data analysis, report writing, and laboratory management.

PUBLICATIONS

Journal Publication

1. Halim, M. A., Kabir, F. N. A., Tahosin, A., Mahmud, H., Fariha, F. A., Palleb, M. S. R., Islam, M. A., Anwara, A. A., & Alo, E. P. (2026). Development and analysis of cookies enriched with soy flour and oats for enhanced protein, fiber, and antioxidant activity. *Journal of Food Science and Technology*, 23(171), 67–83. [10.48311/fsct.2026.115686.0](https://doi.org/10.48311/fsct.2026.115686.0)
2. Islam, M. A., Fariha, N. A. F., Anwara, A. A., Sathi, T. R., Afrin, A., Palleb, M. S. R., Islam, N., Nayana, S. B., & Halim, M. A. (2026). Comparative analysis of biochemical compositions and quality attributes of green tea and black tea from prominent Bangladeshi brands. *Journal of Food Science and Technology (Iran)*. <https://doi.org/10.22034/FSCT.22.160.242>

Conference paper The impact of the juice of onions (*Allium cepa* L.) on the sensory and physicochemical characteristics of cheese. **Md. Ashraful Islam**, Md. Abdul Halim, Adrita Afrin, presented at ICALS MBSTU 2025, Mawlana Bhashani Science and Technology University, Bangladesh, 10 January 2025.

WORKSHOP

12/10/2025-1/ 11/2026 DFT-Based Molecular Modelling, Molecular Docking & ADMET, Computational Vaccine Design – [Skilltori/Online]

8 October 2016 "The First 1,000 Days: Sets The Future" Workshop on Maternal, Newborn, and Child Health & Nutrition (MNCHN), organized by Nutrition Initiative, Bangladesh.

TAINING

15 October 2018 Basic Training on Food Adulteration Prevention and Consumer Rights, organized by Conscious Consumers Society and Consumer Youth Bangladesh at Islamic University Kushtia, Bangladesh.

HONOURS AND AWARDS

2023 The Esteemed Memorial Award For Inspiration- (In loving Memory of Professor Dr. Rezaul karim), Islamic University, Kushtia, Bangladesh.

2020 3rd Place (National Merit), Food and Nutrition Group, Agricultural Olympiad; Participant, Agri Leaders' Summit, Bangladesh Agricultural University

2021 University Grants Commission (UGC) scholarship, Bangladesh .

2017–2021 Merit Scholarship, Islamic University, Kushtia, Bangladesh – awarded every consecutive year for academic excellence.

PERSONAL SKILLS

Mother tongue Bangla

Communication skills

11 January 2020 National Vitamin A Plus Campaign (Volunteer) – UNICEF & Institute of Public Health Nutrition.

27 April 2019 Nutrition Olympiad (Participant) – BIID Foundation in collaboration with Food and Agriculture Organization & USAID.

2019 Participate at International Conference on Role of Nutrition in Health and Development - Islamic University Kushtia.

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Organisational and managerial skills

- Winter 2025 & 2026 Member, Examination Committee, Department of Food Engineering, NPI University of Bangladesh (NPIUB).
- 2016–2022 Class Representative 18th batch, Department of Applied Nutrition and Food Technology, Islamic University, kushtia, Bangladesh.
- 2018–2022 Member of Badhon (Voluntary Blood Donation Organization), Badhon, Islamic University, kushtia, Bangladesh.
- 2022 Participant, Cancer Awareness Program, organized by CAP, kushtia, Bangladesh.
- 2021 General Secretary, Nutrition Club, Islamic University, kushtia, Bangladesh.

Job-related skills

Laboratory & Research Skills

1. Synthesis, characterization, and application of nanoparticles in agriculture and food systems; experimental design, execution, data collection, and microbial culture preparation.
2. Statistical analysis, interpretation of results, and preparation of scientific reports, manuscripts, and laboratory records.

Academic & Teaching Skills

1. Preparing lectures, course materials, and practical laboratory exercises; supervising undergraduate research projects.
2. Operating laboratory instruments and guiding students in practical demonstrations.

Software & Simulation Skills

AutoDock (Advance), PyMOL(Advance), Chimera(Advance), Protein-ligand modeling software(Good), Molecular docking simulation software(Good), SPSS(very good), GraphPad Prism (very good), MS Excel (Advance), Mendeley (Advance).

Programming skills

Python (Good)

Others Skill

- Savvy with G-suite and Microsoft Office
- Well literate in Adobe Photoshop, Adobe Illustrator
- Proficient in basic operations in Power Point.

REFERENCES

Dr. A. T. M. Mijanur Rahman

Professor, Department. of Applied Nutrition & Food Technology, Islamic University, Kushtia, Bangladesh.
Mobile: +8801716-053597
Email: mijanantiu@yahoo.com

Dr. Md. Abdus Samad

Professor, Department of Applied Nutrition & Food Technology, Islamic University, Kushtia, Bangladesh.
Mobile: +8801735460984
Email: md_abdussamad@yahoo.com

DECLARATION

I hereby certify that all the information provided in this CV is true, accurate, and complete to the best of my knowledge.

Signature

Md. Ashraful Islam