
RESEARCH INTEREST

- Dairy nutrition
- Dairy food technology
- Molecular biology
- Beef nutrition
- Dairy chemistry
- Dairy microbiology

EDUCATION

Master of Science in Dairy Science

January 2021 – December 2022

Sher-e-Bangla Agricultural University (Dhaka, Bangladesh)

CGPA: 4.00 out of 4.00**Thesis:** Study on isolation, characterization and identification of lactic acid bacteria derived from fermented dairy products.**Bachelor of Science in Veterinary Science and Animal Husbandry**

January 2015 – December 2019

Sher-e-Bangla Agricultural University (Dhaka, Bangladesh)

CGPA: 3.81 out of 4.00**Internship thesis title:** Strategies for enhancing demand for consuming buffalo and mutton in Bangladesh.

PROFESSIONAL AND RESEARCH EXPERIENCE

Lecturer of Dairy Science

December 2023 – Present

Sher-e-Bangla Agricultural University (Dhaka, Bangladesh) (<https://sau.edu.bd/department/dairy>)

Teaching experience: Conduct undergraduate theory and practical courses on Dairy Science (11 credit hours)

Research Assistant

April, 2022 – June, 2022

Bangladesh Agricultural Research Council (Dhaka, Bangladesh)

A project titled “Qualitative and quantitative assessment of antibiotics and heavy metals contamination in broiler edible tissues in Bangladesh.”

TECHNICAL SKILLS

- Microsoft Word (professional document preparation), Microsoft Excel (data organization, analysis, charts, formulas), Microsoft PowerPoint (scientific and academic presentations)
- Research data management, scientific writing and reporting, experimental design and data collection, data analysis (statistical interpretation, reporting)
- Bacterial Culture, Large animal handling, Companion animal handling, Ration formulation, Dairy product preparation
- Registered Veterinary Practitioner (BVC reg. no.: 7011)

FELLOWSHIP & AWARDS

- **National Food Safety Ambassador (2nd) Winner** by the Food & Agriculture Organization (FAO) of the United Nations in Bangladesh and Sher-e-Bangla Agricultural University (SAU) in 2023.
- **National Science and Technology (NST) Fellowship**, 2022-2023 for the accomplishment of M. S. thesis from the Ministry of Science and Technology (MoST), Bangladesh.
- **Best Poster Presentation (2nd) Award** in the “National Food Safety Day Celebration Program” by Food Safety Professionals, SAU in 2022.
- **Quiz Competition Winner** of Rotary Youth Leadership Award (RYLA) 2022.
- **Deans Merit Award 2019** during the academic level-5 for outstanding academic achievements, Faculty of Animal Science and Veterinary Medicine, Sher-e-Bangla Agricultural University (SAU).
- **Deans Merit Award 2018** during the academic level-4 for outstanding academic achievements, Faculty of Animal Science and Veterinary Medicine, Sher-e-Bangla Agricultural University (SAU).

LANGUAGE PROFICIENCY

Bangla (Native); English (Proficient): **IELTS Score: 6.5** (Listening:7, Reading:7, Writing:6, Speaking:6)

JOURNAL PUBLICATIONS

1. Islam, M. S., Talukder, M. A. S., Naim, Z., Siyam, M. S. S., Ramim, R. N., Asaduzzaman, M., Hossain, M. A., & **Rahman, A.** (2026). Current Trends of Chicken Processing in Different Wet Marketplaces of Dhaka City: A Food Safety and Public Health Concern. *International Journal of Poultry Science*, 25, 51–58. <https://doi.org/10.3923/ijps.2026.51.58>
2. **Rahman, A.**, Akter, M., Rahman, A., Biswas, L., Sultana, M. T., Islam, M. S., & Asaduzzaman, M. (2026). Isolation and characterization of lactic acid bacteria derived from fermented dairy products. *Asian-Australasian Journal of Food Safety and Security*, 10(1), 43–50. <https://doi.org/10.3329/aajfss.v10i1.86077>
3. Mousum, T., Solaiman, A. B., Mali, M., **Rahman, A.**, Adnan, R., & Mannan, M. A. (2024). Prevalence of *Escherichia coli* and *Salmonella* in Drinking Water around Sher-e-Bangla Agricultural University Campus. *Bangladesh Veterinarian*, 41(1), 1–6. <https://doi.org/10.3329/bvet.v41i1.76716>

4. Mannan, M. A., Murad, R. H., Shagar, S. H., Auyon, S. S., & **Rahman, A.** (2024). Detection of *Clostridium perfringens* in full cream pasteurized cow milk in Dhaka city. *Bangladesh Veterinarian*, 41(1), 7–12. <https://doi.org/10.3329/bvet.v41i1.74783>
5. Bokhtiar, S. M., Islam, M. R., Ahmed, M. J., **Rahman, A.**, & Rafiq, K. (2023). Assessment of Heavy Metals Contamination and Antimicrobial Drugs Residue in Broiler Edible Tissues in Bangladesh. *Antibiotics*, 12(4), 662. <https://doi.org/10.3390/antibiotics12040662>
6. Asaduzzaman, M., Akter, M., Rahman, A., Moniruzzaman, M., **Rahman, A.**, & Islam, M. S. (2023). Development of flavored dahi by incorporating soymilk and cocoa powder. *Asian-Australasian Journal of Bioscience and Biotechnology*, 8(1), 1–7. <https://doi.org/10.3329/aajbb.v8i1.65782>
7. **Rahman, A.**, Akter, M., Islam, M. S., Rahman, A., Biswas, L. & Asaduzzaman, M. (2022). Lactic acid bacteria and their beneficial effects in fermented dairy products. *Journal of Sher-e-Bangla Agricultural University*, 13 (1& 2): 19-29.
8. Moniruzzaman, M., Khan, M. A. S., Akter, M., Rahman, A., **Rahman, A.** & Asaduzzaman, M. (2022). Effect of supplementation of neem (*Azadirachta indica*) leaves to lactating cows for improving milk production in traditional farming system. *International Journal of Animal Resources*, 2 (1): 1-9.
9. Islam, S. M. S., Islam, S., Rahman, M., Akter, N., Noman, A. A., Shihab, M. P. R., **Rahman, A.**, Hossain, D., & Ahmed, M. J. (2026). Animal selection and management strategies for meat quality and sustainability. In *Advances in Sustainable Meat Technology*. CRC Press. (Under Review)

CONFERENCES

- Oral Presentation at International Public Health Conference 2024 *Dhaka, Bangladesh*
- Poster Presentation at 6th National Scientific Conference on Food Safety and Health 2024 *Dhaka, Bangladesh*
- Poster Presentation at BCSIR Congress 2023 *Dhaka, Bangladesh*

TRAININGS & WORKSHOPS

- “**Basic Training on Bioinformatics for Sustainable Development in Agriculture**” by Livestock Division, Bangladesh Agricultural Research Council *26-30 April 2026*
- Training on “**Application of Genome Editing Tools for Sustainable Development in Agriculture**” by Livestock Division, Bangladesh Agricultural Research Council *18-22 January 2026*
- Training on “**Advanced Companion Animal Nutrition & Disease Management**” by Bangladesh Small Animal Veterinarian Association (BASAVA) and Kaniva Bangladesh *19 December 2025*
- Training on “**Good Livestock Husbandry Practices in Bangladesh**” by Livestock Division, Bangladesh Agricultural Research Council *24-26 June 2024*
- “**Pedagogy Training Programme on Innovation in Agriculture and Pesticide Management**” by Sher-e-Bangla Agricultural University and FAO Bangladesh *27-29 February 2024*
- Online Course on “**Drug Development**” authorized by University of California San Diego and offered through Coursera
- Online Course on “**Animal Behaviour and Welfare**” authorized by The University of Edinburgh and offered through Coursera
- Online Course on “**Dairy Production and Management**” authorized by The Pennsylvania State University and offered through Coursera
- Online Course on “**Excel Skills for Business: Essentials**” authorized by Macquarie University and offered through Coursera
- **Training on Bioinformatics for Beginners** at National Institute of Biotechnology, Dhaka *20-21 August 2023*

PROFESSIONAL MEMBERSHIPS

- Life member of One Health Bangladesh *2023 – Present*
- Life member of Bangladesh Society for Safe Food *2023 – Present*
- Member of the World Veterinary Poultry Association - Bangladesh Branch (WVPA-BB) *2023 – Present*
- Member of the Bangladesh College of Veterinary Surgeons (BCVS) *2022 – Present*

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

- President of Rotaract Club of Dhaka Mid City Green *July 2021 – June, 2022*
- Media Secretary of Bangladesh Biology Olympiad *December 2018 – December, 2020*
- Campus Ambassador of Bangladesh Youth Leadership Center (BYLC) *March 2018 – March 2019*
- ICT Secretary of Bangladesh Veterinary Students’ Federation (BVSF) *September 2019 – June 2023*

REFEREES

1. Dr. Md. Asaduzzaman | Professor | Department of Dairy Science | Sher-e-Bangla Agricultural University | +8801717712115 | asad.dasc@sau.edu.bd
2. Dr. Mohammad Rafiqul Islam | Chief Scientific Officer | Livestock Division | Bangladesh Agricultural Research Council | +8801716350628 | r.islam@barc.gov.bd
3. Dr. Md. Najmul Haque | Assistant Professor & Chairman | Department of Dairy Science | Sher-e-Bangla Agricultural University | +8801716232125 | mnhaque.dasc@sau.edu.bd