

MD. RIAZUDDIN

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Educational Background

Jashore University of Science and Technology, Bangladesh

October 2024

Department of Nutrition and Food Technology

Master of Science

CGPA — (3.50/4.00)

Jashore University of Science and Technology, Bangladesh

January 2023

Department of Nutrition and Food Technology

Bachelor of Science

CGPA — (3.45/4.00)

Award

- ✓ National Science and Technology Fellowship – 2023
- ✓ Champion in “project idea competition” at International Nutrition Olympiad 2022, Sher-e-Bangla Agriculture University, Dhaka, Bangladesh.

Job/Research Experience

Lecturer

September 2024 – Current

Department of Food Engineering

North Pacific International University of Bangladesh

Research Assistant

July 2022 – June 2024

Community Nutrition and Public Health Research

Dept. of Nutrition and Food Technology

Jashore University of Science and Technology

Research Interests

- ✓ Food security, food safety, food chemistry, dairy science, public health and community nutrition, nutritional epidemiology, infectious disease epidemiology, non-communicable diseases (NCDs), and epidemiology.

Research Publications

1. Rabby, M. G., Hassan, M. A., Hossain, M. N., Hasan, M. S., **Riazuddin, M.**, Khan, M. M. R., Parvin, R., Alam, M., & Zahid, M. A. (2026). Assessment of Freshness and Oxidative Stability of Chicken Meat Patties at Refrigerated Storage Using *Dillenia indica* Peel Powder: A Natural Substitute for Synthetic Antioxidants. *Poultry Science*, 107123. <https://doi.org/10.1016/J.PSJ.2026.107123>
2. Shuvo, S. Das, Hasan, M. M., Das, T. K., Hossain, M. E., Aktar, T., **Riazuddin, M.**, & Hasan, M. S. (2024). Food insecurity and its contributing determinants among rural households in the south-western region of Bangladesh, 2021: A cross-sectional study. *Public Health in Practice*, 8, 100514. <https://doi.org/10.1016/J.PUH.2024.100514>
3. Hossen, M. T., Shuvo, S. Das, Mazumdar, S., Hossain, M. S., **Riazuddin, M.**, Roy, D., Mondal, B. K., Parvin, R., Paul, D. K., & Adnan, M. M. (2024). Determinants of anxiety and depression among type 2 diabetes mellitus patients: A hospital-based study in Bangladesh amid the COVID-19 pandemic. *Cambridge Prisms: Global Mental Health*, 11. <https://doi.org/10.1017/GMH.2024.8>
4. Shuvo, S. Das, Hossen, M. T., **Riazuddin, M.**, Hossain, M. S., Mazumdar, S., Parvin, R., & Elahi, M. T. (2023). Prevalence of comorbidities and its associated factors among type-2 diabetes patients: a hospital-based study in Jashore District, Bangladesh. *BMJ Open*, 13(9), e076261–e076261. <https://doi.org/10.1136/BMJOPEN-2023-076261>

5. Shuvo, S. Das, Hossen, M. T., Hossain, M. S., Khatun, A., Mazumdar, S., **Riazuddin, M.**, & Roy, D. (2023). COVID-19 fear and its associated correlates among type-2 diabetes patients in Bangladesh: A hospital-based study. *Cambridge Prisms: Global Mental Health*, 10. <https://doi.org/10.1017/GMH.2023.47>
6. Shuvo, S. Das, Hossain, M. S., **Riazuddin, M.**, Mazumdar, S., & Roy, D. (2022). Factors influencing low-income households' food insecurity in Bangladesh during the COVID-19 lockdown. *PLoS ONE*, 17(5 May), 1–20. <https://doi.org/10.1371/journal.pone.0267488>
7. Roy, D., Das Shuvo, S., Hossain, S., **Riazuddin**, Mazumdar, S., Mondal, B. K., & Zahid, A. (2022). Knowledge, attitudes, practices, and its associated factors toward the COVID-19 pandemic among Bangladeshi older adults. *PLOS ONE*, 17(12), e0275065–e0275065. <https://doi.org/10.1371/JOURNAL.PONE.0275065>.
8. Mia, M.S., Nayan, S.B., Islam, M.N., Talukder, M.E.K., Hasan, M.S., **Riazuddin, M.**, Shadhin, M.S.T., Hossain, M.N., Wani, T.A., Zargar, S., Rabby, M.G., 2025. Genome-wide exploration: Evolution, structural characterization, molecular docking, molecular dynamics simulation and expression analysis of sugar transporter (ST) gene family in potato (*Solanum tuberosum*). *Comput. Biol. Chem.* 117, 108402. <https://doi.org/10.1016/J.COMPBIOLCHEM.2025.108402>
9. Mazumdar, Sanaullah, Md Moshuazzaman Adnan, Tanjum Kabir Khuku, Suvasish Das Shuvo, Farjana Fardaus, Sharmin Asha, Md Hasan Al Banna, **Md Riazuddin**, and Md Nowshad Mahmud Choyon. "The use of functional foods and its association to chronic and multimorbid conditions: a cross-sectional study among Bangladeshi people." *Scientific Reports* 15, no. 1 (2025): 32786. <https://doi.org/10.1038/s41598-025-07435-2>.

Ongoing Research Projects

- ✓ Prevalence of comorbidity and polypharmacy status and their impact on health-related quality of life (HRQoL), frailty, and functional status among older CVD patients.

Submitted Manuscripts

- ✓ Effects of Chui Jhal (*Piper chaba*) peel extract on quality attributes and antimicrobial properties of chicken patties at refrigerated storage.
- ✓ Effect of pineapple peel extract as a natural antioxidant compared with BHT and ascorbic acid on quality attributes and antimicrobial potential in chicken patties at refrigerated storage (**Under review**).

Laboratory & Technical Skills

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|-----------------------------|---|
| ✓ Food Product Development | ✓ Data Analysis - R Programming (Tidyr, easystat, dplyr, ggplot2, etc.) |
| ✓ Food Biochemical Analysis | ✓ Data Analysis - SPSS |
| ✓ Nutritional Survey | ✓ Microsoft Office, Word, PowerPoint. |

Leadership

- ✓ Entrepreneur and Founder of “**Alokbortica**,” a Charavita Secondary School nonprofit organization, Jashore.
- ✓ Member of the Bangladesh Red Crescent Society.

Workshop & Coursework

- ✓ Participated in a conference on “Achieving Health Equity Together- Forging the Path Forward hosted by Springer Nature and Takeda”.

Certification and courses

- ✓ Stanford introduction to food and health.
- ✓ R Programming fundamentals (**Stanford School of Humanities and Sciences**)

- ✓ R for Public Health (**Centre for Health Innovation Research Action and Research**)
- ✓ Data Visualisation & Dashboarding with R Specialisation (**Johns Hopkins University**)

Communication Skills

- ✓ Active participant in National seminars and Workshops.
- ✓ The organizer of the Free Medical Health Camp
- ✓ The organizer of the Science Fair
- ✓ Dealing with a Sample Population to Conduct a Nutritional Survey

References

Dr. Md. Ashrafuzzaman Zahid

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Jashore University of Science and Technology (JUST), Jashore-7408, Bangladesh

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Dr. Md. Omar Faruque

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