

SHARMIN ISLAM

RESEARCH CHEMIST (RC)

Pulp and Paper Research Division, BCSIR Laboratories, Dhaka
Bangladesh Council of Scientific and Industrial Research (BCSIR)
Dr. Qudrat I Khuda Road, Dhanmondi, Dhaka-1205, Bangladesh
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Education

- **M.Sc.** in Chemistry (Thesis Group)
University of Dhaka, 2020
- **B.Sc.** (Honours) in Chemistry
University of Dhaka, 2019
- **Higher Secondary Certificate (H.S.C.)**, *Science Group, Dhaka Board, 2013*
- **Secondary School Certificate (S.S.C.)**, *Science Group, Dhaka Board, 2011*

Professional Information

- ❖ **Research Chemist:** Bangladesh Council of Scientific and Industrial Research (BCSIR), Dhanmondi, Dhaka. February 2023– present

Technical Skills and Competences

- **Chromatography: High Performance Liquid Chromatography (HPLC)**
- **Spectroscopy: UV-Visible spectroscopy**
- **Fiber Quality Analyzer**

Computational Skills

MS Word, Office, Excell

Publications

4. “Conversion of paper-grade pulp from rice straw into dissolving pulp”- Sharmin Islam, M. Mostafizur Rahman, M. Nakib Hossen, M. Nur Alam Likhon, Hasan Jameel, And M. Sarwar Jahan., TAPPI Journal, Vol. 24 No. 6 June 2025
3. “Alkaline treatment and fractionation of OCC for strength improvement”- M. Nakib Hossen, M. Mostafizur Rahman, Sharmin Islam and M. Sarwar Jahan., Nord. Pulp Paper Research Journal. 2024;
2. “Kraft pulping of Eucalyptus camaldulensis planted in homestead forestry in Bangladesh”- Sharmin Islam, M. Mostafizur Rahman, M. Sarwar Jahan. Journal of the Indian Academy of Wood Science, 2024

1. “Organic acid fractionation of hardwoods planted in social forestry”- Sharmin Islam, Razia Sultana Popy, M. Nur Alam Likhon, M. Mostafizur Rahman and M. Sarwar Jahan. Nord. Pulp Paper Res. J. 2023

Conference Presentations

Oral presentation:

- International Conference On Environmental Protection For Sustainable Development (ICEPSD-2022), 2-4 September, 2022
- BCSIR Congress-2023, Bangladesh Council of Scientific and Industrial Research (BCSIR), BCSIR, Dhaka, 08-10 March, 2024

Professional Training

- More than 10 professional training have been obtained in different fields including Research and Development, Planning and Development, Public Procurement, Administration, Data Accusation from Scientific Instruments and Analysis, etc.