

# NUSHRAT JAHAN ETHANE

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Officer: Chemical Research Division, BCSIR Dhaka Laboratories  
Bangladesh Council of Scientific and Industrial Research (BCSIR)  
Dr. Qudrat-E-Khuda Road, Dhaka 1205, Bangladesh

## Education

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M. Sc. in Chemistry National University, Gazipur, Bangladesh	2000
B. Sc. (Hons.) in Chemistry National University, Gazipur, Bangladesh	1997

## Professional Experience

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<b>Senior Scientific Officer</b> Chemical Research Division, BCSIR Dhaka Laboratories Bangladesh Council of Scientific & Industrial Research (BCSIR)	July 2017 to Present
<b>Scientific Officer</b> Chemical Research Division, BCSIR Dhaka Laboratories Bangladesh Council of Scientific & Industrial Research (BCSIR)	July 2011 to July 2017
<b>Research Chemist</b> Chemical Research Division, BCSIR Dhaka Laboratories Bangladesh Council of Scientific & Industrial Research (BCSIR)	June, 2006 to July 2011

## Technical Skill and Competences

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Industrial Process development, Natural Product, Phytochemistry

## Research Project (Selected)

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<b>Principal Investigator</b>	Preparation of Analytical grade Laboratory Chemicals from commercial grade Raw Materials (BCSIR 2023-2026)
<b>Principal Investigator</b>	Production of Useful Laboratory Chemicals as Ammonium Oxalate, Ammonium Chloride, Calcium Acetate, Sodium Molybdate for Research and Industrial use (BCSIR 2018-2022)

## Publications / Process (Selected)

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- Sharmin Shahjahan<sup>1</sup>, Khondoker Shahin Ahmed<sup>1,2</sup>, Sayema Khanum<sup>1</sup>, Anjum Zerin Rupa<sup>1</sup>, **Nushrat Jahan Ethane**<sup>1</sup>, Pritam Kundu<sup>3</sup>, Mst. Maya Khatun<sup>4</sup>, Fahmida Tasnim Richi<sup>5,6</sup>, Md. Farhad Sarker<sup>1</sup>, Safaet Alam<sup>1</sup>, Md. Hemayet Hossain<sup>1</sup>, (2025), Bioactivity and Phytochemical Characterization of *Ceriops decandra* (Griff.) Ding Hou. Leaves: HPLC-DAD Profiling, Antioxidant, Antimicrobial and Antidiarrheal Potentials. Ref: WILEY-VCH, Chemistry & Biodiversity, (2025), DOI: <https://doi.org/10.1002/cbdv.202501015>
- K. S. Ahmed<sup>1,2</sup>, M. H. Hossain<sup>1</sup>, N. J. Ethane<sup>1</sup> and I. A. Jahan<sup>1\*</sup>, (2023), Phytochemical analysis and *in vitro* anti-oxidant activity of *Moringa oleifera* leaves extract. Ref. Bangladesh J. Sci. Ind. Res. 58(3), 179-186, 2023
- Production of Analytical Grade Sodium Acetate; Ref. No. 39.02.0000.043.38.013.24/405; Date: 26.05.2025
- Production of Analytical Grade Sodium Oxalate; Ref. No. 39.02.0000.043.38.003.24/852; Date: 29.12.2024
- Production of Ammonium Chloride from Ammonium Carbonate; Ref. No. 39.02.0000.043.37.844.21/624; Date: 30.08.2023
- Production of Calcium Acetate hydrate from Calcium Carbonate; Ref. No. 39.02.0000.043.37.843.21/1409; Date: 31.10.2022
- Production of Ammonium Oxalate (Monohydrate) from Ammonium Carbonate; Ref No. :39.02.0000.043.37.822.20/1014 Date: 29.09.2022

## Conference Presentations

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- Poster Presentation in BCSIR Congress-2022, BCSIR Campus, Dhaka-1000
- Poster Presentation in BCSIR Congress-2023, BCSIR Campus, Dhaka-1000

## Training on Scientific Instrumentation (Selected)

- Training Course on Operation and Maintenance of “Wavelength Dispersive X-ray Fluorescence (WD-XRF)” IMMM, BCSIR Joypurhat, Bangladesh
- Training Program on “Research Methodology and Publication”, BCSIR Dhaka Laboratories, Bangladesh Council of Scientific and Industrial Research (BCSIR)
- Training Program on “Basic principle, maintenance and troubleshooting of XRD, FTIR and Raman Spectroscopy” BCSIR Dhaka Laboratories, Bangladesh Council of Scientific and Industrial Research (BCSIR)
- Training Program on “Patent drafting & Industrial Process” BCSIR Laboratories Dhaka, Bangladesh Council of Scientific and Industrial Research (BCSIR)
- Training Program on “Basic Principle, Applications, Operation and Maintenance of HPLC” BCSIR Laboratories Dhaka, Bangladesh Council of Scientific and Industrial Research (BCSIR)

*Last Updated: Monday, 23 February, 2026*