



NAFIS IBTIDA SAMI

Lecturer in Chemistry
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Academic Qualification

University of Dhaka / Master of Science: Inorganic and Analytical Chemistry
Exam Year: 2021 (Held in 2023)
CGPA: 3.86 out of 4.00
University of Dhaka / Bachelor of Science: Chemistry
Exam Year: 2020 (Held in 2022)
CGPA: 3.59 out of 4.00
Notre Dame College, Dhaka / Higher Secondary Certificate (HSC)
Exam Year: 2016
GPA: 5.00 out of 5.00
Cox's Bazar Govt. High School / Secondary School Certificate (SSC)
Exam Year: 2014
GPA: 5.00 out of 5.00

Skills

Office Software Proficiency

- ✓ Proficient in **Microsoft Word** for document creation
- ✓ Proficient in **Microsoft Excel** for calculation and analysis
- ✓ Proficient in **Microsoft PowerPoint** for presentation development

Data Analysis Software Proficiency

- ✓ Proficient in **Origin** for graphing and statistical analysis
- ✓ Proficient in **SigmaPlot** for graphing and statistical analysis

Instrumentation Proficiency

- ✓ **ICP-MS Instrument:** Experienced in operating ICP-MS instrument
- ✓ **Ion Chromatography System:** Experienced in using the "Thermo Scientific Model DIONEX ICS-1600"
- ✓ **UV-Visible Spectrophotometer:** Experienced in using "UV-1800 SHIMADZU"
- ✓ **Pandora Spectrometer System:** Served as the local operator for Pandora 76 within the Pandonia Global Network, NASA

Language Proficiency

- ✓ **Bangla:** Native speaker and fully fluent in reading, writing and speaking
- ✓ **English:** Proficient and fluent in reading, writing, and speaking

Research Interest

Research Field: Atmospheric and Environmental Chemistry

Description: Urban Air Quality, Traffic Emission, Biomass Burning, Aerosol Chemical Composition, Dust Aerosol, Trace Gas Emission, Low Cost Sensors, Human Health Risk Assessment, Heavy Metals Emission

Research Experience

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- MS Thesis dissertation on “Assessment of Heavy Metals, Water Soluble Inorganic Ions and Levoglucosan Emissions from Burning of Municipal Solid Waste in Dhaka and Their Associated Health Risks” (July 06, 2023).
 - A project dissertation on “Measurement of Atmospheric Pollutants in Four Major Railway Stations in Bangladesh” (April 24, 2022).

Extracurricular Activities

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- Co-founder and content writer at Chemniverse (www.chemniverse.com)
 - Author, Chhayapotho Bhul Bichoron (ISBN: 978-984-95339-5-5)
 - Ex-member, Notre Dame Debating Club (NDDC)
 - Ex-member, Notre Dame English Club (NDEC)

Achievements

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- NST (National Science and Technology) fellowship of Ministry of Science and Technology, Bangladesh ([2022-2023](#))
 - University of Dhaka Education Scholarship on Honors result (2020)
 - Board Scholarship (Talentpool) on SSC result (2014)
 - Board Scholarship (Talentpool) on JSC result (2011)