

Mohammad Ariful Islam

Scientific Officer

Hydrogen Energy laboratory
BCSIR Chattogram Laboratories,
Bangladesh Council of Scientific and Industrial Research (BCSIR)
Ministry of Science and Technology, Government of Bangladesh.
✉ arifulislamacce@gmail.com ☎ 01871768257; 01568406691
🌐 <https://research.most.gov.bd/research/profile/1758429165>



Brief Profile

I am currently working as a **Scientific Officer** at Hydrogen Energy Laboratory, BCSIR Chattogram Laboratories, in Bangladesh Council of Scientific and Industrial Research (BCSIR). I was born and brought up in Chattogram, Bangladesh. I received BSc (Honors) and MSc degree from the Department of Applied Chemistry and Chemical Engineering, University of Dhaka.

At the beginning of my career, I worked as **Team Leader** (survey) in a project "**Kigali Implementation Plan for Bangladesh (KIPB)**" funded by UNDP for six months. Later I joined BCSIR where I started learning about Hydrogen Chemistry including Hydrogen production and storage techniques, energy materials and storage and fuel cell applications etc. Moreover, I have keen interest in green technologies involving sustainable energy, waste valorization, and air and water pollution, monitoring and mitigation techniques.

Academic Background

Master of Science (MSc.): Applied Chemistry & Chemical Engineering, University of Dhaka;
CGPA: 3.47

Thesis: "Temporal Trends of CO and PM_{2.5} as Air Pollutants in Mirpur Area, Dhaka"
(July, 2023- June, 2024) funded by National Science & Technology (NST) Fellowship, MOST.

Bachelor of Science (BSc.): Applied Chemistry & Chemical Engineering, University of Dhaka;
CGPA: 3.47

HSC'17: Government City College, Chattogram; **GPA: 5.00**

SSC'15: Government Muslim High School, Chattogram; **GPA: 5.00**

Publications

Review Article: Ehsanul Hoque, Md Ismail Hossen Emon, Md Tawfiq Anik, **Mohammad Ariful Islam**, Ikramul Hasan, Tanvir Ahmed, Zia Ullah Arif, Mokarram Hossain, Mohammad Ismail "A Review of Non-edible Indigenous Seeds Feedstock in Bangladesh for Biodiesel: Production, Fuel Properties and Combustion Performance" (July 2025) in *Green Technologies and Sustainability* <https://doi.org/10.1016/j.grets.2025.100240>

Job Experiences

- ✧ **Scientific Officer**, Hydrogen Energy Laboratory, Chattogram Laboratories, BCSIR. (August 7, 2025- Present)
- ✧ **Team Leader** (Survey) - Project on "Kigali Implementation Plan for Bangladesh (KIPB)" funded by UNDP associated with Department of Environment (DoE).
- ✧ **Chemist (Part Time)** – Safe Chem Innovation, Gazipur, Dhaka.

Trainings

- 🌀 Training on **Industrial Process Unit operation and Process Control Technique** provided by Training Institute for Chemical Industries (TICI) in Narsingdi for four weeks.
Date: November 2022
- 🌀 In-Plant Training at **Chittagong Urea Fertilizer Limited (CUFL), Chattogram** for four weeks.
Date: November 2023

Honors & Awards

- ★ National Science & Technology (NST) Fellowship, Ministry of Science and Technology.
- ★ Pre-Graduate Scholarship (May 2019), University of Dhaka.
- ★ Primary Board Scholarship (General)

Co-curricular Activities

- ✚ **President**- AZEOTROPE (ACCE Students' Community of Fazlul Huq Muslim Hall, Dhaka University) (March 2023- March 2024)
- ✚ **Treasurer**- Chattala (Curzon Hall Students' Association of Chattogram in Dhaka University) (January 2022- December 2022)
- ✚ **Member** (Operating Committee) - American Chemical Society: Student Chapter-Dhaka University. (August 2020- July 2021)
- ✚ **Executive Member**- Fazlul Huq Muslim Hall Debating Club (January 2019- December 2019)
- ✚ **Executive Member**- BADHAN (Fazlul Huq Muslim Hall Unit) (December 2018- December 2019)
- ✚ **Cadet Under Officer (CUO)**- Karnaphuli Regiment, Bangladesh National Cadet Corps (BNCC) (February 2012- February 2014)

Reference

Mohammad Ismail PhD (University of Cambridge)

Professor, Department of Applied Chemistry & Chemical Engineering, University of Dhaka.

📞 01553845400;

✉ m.ismail@du.ac.bd