

MD. ARIFUL HAQ

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Scientific Officer, Pharmaceutical Sciences Research Division

BCSIR Dhaka Laboratories, Bangladesh Council of Scientific & Industrial Research (BCSIR)

Dr. Qudrat-I-Khuda Road, Dhaka-1205, Bangladesh

Education

Master of Pharmacy (M.Pharm) **2015**
Khulna University, Khulna, Bangladesh

Bachelor of Pharmacy (B.Pharm) **2011**
Khulna University, Khulna, Bangladesh

Professional Experience

Scientific Officer **November 2018 – Present**
Pharmaceutical Sciences Research Division, BCSIR Dhaka Laboratories Bangladesh Council of Scientific & Industrial Research (BCSIR), Dhaka, Bangladesh

Executive **February 2015 – November 2018**
Production Department, Square Pharmaceuticals Ltd.

Executive **August 2011 – February 2015**
Production Department, Orion Pharma Ltd.

Technical Skills and Competences

- **Mass Spectrometry:** GC-MS/MS, ICP-MS
- **Analytical Chemistry:** AAS, Particle Size Analyzer, HPLC, Preparative HPLC

Computational Skills

- **Programming:** R, GraphPad Prism
- **Operating System:** Windows

Research Grants (Selected)

Principal Investigator

- Phytochemical Profiling and Pharmacological Evaluation of *Sonneratia Caseolaris* (L.) Engl.-a tropical mangrove species (2024-2025) **BDT 80,000**
- Analysis of heavy metal content and drug adulterants in commonly used topical products available in Bangladesh (2024-2026) **BDT 6,00,000**
- Isolation and profiling of bioactive metabolites from the tropical mangrove species *Sonneratia caseolaris* and its associated fungal endophytes (2021-2023) **BDT 3,00,000**

Associate Investigator

- Development and validation of a rapid, simple and sensitive LC-MS/MS method to determine Rifampicin concentrations in plasma: Application to pharmacokinetic study (2025-2027) BDT 8,00,000
- Quantification and Toxicity Assessment of Heavy Metal Contamination in Traditional Medicine of Bangladesh (2024-2026) BDT 7,00,000
- Drug discovery study on potential medicinal plants of Bangladesh and their associated endophytic fungi (2023-2025) BDT 8,00,000
- Identification of Pharmacophore of isolated bioactive compounds and their structure-activity relationship (SAR) study (2019-2024) BDT 15,00,000
- Isolation and characterization of anti-hemolytic and Urease inhibitor from *Tamarindus indica* and *Allium sativum* extracts (2020-2022) BDT 3,00,000

Publications

1. Rahman A., Begum M. N., Moni F., Akhter S., **Haq M. A.**, Rony S. R., Sohrab M. H. GC-MS/MS-Based metabolite profiling and bioactivity studies of endophytic fungi from the medicinal plant *Alternanthera philoxeroides* (mart.) Griseb. *Bangladesh Journal of Scientific and Industrial Research*, **2025**, 60(4), 225–250.
2. Shimu S. N., Mollick S., Zinnurine R., **Haq M. A.**, Chowdhury S. A., Parvin M. N., Sohrab M. H. Isolation of three metabolites from the plant *Cajanus cajan* (L.) Huth and evaluation of antibacterial and cytotoxic potentials of extract of *Cajanus cajan* (L.) Huth available in Bangladesh. *Bangladesh Journal of Scientific and Industrial Research*, **2025**, 60(1), 1–8.
3. Chowdhury S. A., Das R., **Haq M. A.**, Azam A.T.M. Z, Hasan C. M., Ahsan, M. Isolation of Methyl Caffeate and Flacourtin from *Flacourtia jangomas* with Comprehensive In-vitro and In vivo Pharmacological Evaluation. *Heliyon*, **2024**, e40445.
4. Al-Mamun M. Z. U., Rashid M. M., Begum M., **Haq M. A.**, Sathee R. A. Appraisal of Vitamin D3 Concentration in Dietary Supplement Marketed in Bangladesh Using HPLC. *Oriental Journal of Chemistry*, **2022**, 38(6).

Conference Presentations

- Oral Presentation: ICSTB 2021
- Poster Presentations: BCSIR Congress 2022 & 2023

Professional Memberships

- Pharmacy Council of Bangladesh
- The BCSIR Scientists' Association (Biggani Songho)

Professional Trainings

- Operation and maintenance of Triple Quadrupole (GC-MS/MS), BCSIR 2025
- Use, Maintenance and Trouble-shooting of Gas Chromatography-Mass Spectrometer (GC-MS), NITUB 2025
- Operation and Maintenance of Atomic Absorption Spectrometer (AAS), BCSIR 2025
- Inductively Coupled Plasma Mass Spectrometry (ICPMS), BCSIR 2024
- Operation and maintenance of Preparative HPLC, BCSIR 2023
- Programming and Data Analysis in R for Biologist, University of Dhaka 2021
- ISO 17025 for Accreditation of Testing Parameter, BCSIR 2020

References

- Available upon request.

Last Updated: Thursday 26th February, 2026