

# Mohammad Mahfuz Enam Elahi

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Road-3, Shekhertek  
Mohammadpur, Dhaka  
Bangladesh

## Education

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### University of Asia Pacific

Dhaka, Bangladesh

*Masters in Pharmaceutical Technology*, CGPA: 3.76/4.00 (WES)

May 2015

- Coursework in Modern Drug Delivery Systems, Advanced Pharmaceutical Technology, and Biopharmaceutics & Pharmacokinetics.
- Research work on the Modern Drug Delivery System.

### University of Asia Pacific

Dhaka, Bangladesh

*Bachelor of Pharmacy*, CGPA: 3.12/4.00 (WES)

October 2013

- Coursework in Pharmacology, Medicinal Chemistry, and Pharmaceutical Technology.

## Test Scores

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### GRE

/340 (Quant: , Verbal: , AWA: 3.5)

### TOEFL

/120 (Reading: , Listening: , Speaking: , Writing: )

## Research Experience

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### University of Asia Pacific

Dhaka, Bangladesh

*Graduate Research Work*

December 2014 – April 2015

- Study and evaluation of release pattern of modern drug delivery system using a medicinal drug with different polymers.

**Thesis:** “*Formulation and In-Vitro Evaluation of Valsartan loaded sustained release Matrix Tablet based on EUDRAGIT® RS PO and METHOCEL™ K15M*”

**Research Supervisor:** Dr. Md. Selim Reza

## Research Relevant Skills and Interests

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**Research and Laboratory Skills:** Sustained Release Drug Formulation, Primer Design, DNA Polymorphism, PCR, Micropipette Technique, HPLC, UV-Vis Spectrophotometer, FTIR, Sonicator.

**Programming/Software Skills:** HTML, CSS, Python, R, SPSS, Minitab, Endnote, Mendeley, LaTeX, Google Docs, and Microsoft Office.

**Language Proficiency:** Fluent in both Bengali and English.

**Interests:** Reading books, Microblogging, Photography, and Traveling.

## Professional Experience

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### **Square Pharmaceuticals Limited**

*Executive, Production Department*

Dhaka, Bangladesh

June 2015 – Present

- Executed US FDA project for ANDA submission of medicinal products in the oral powder dosage form.
- Supervised manufacturing and packaging activities according to cGMP (current Good Manufacturing Practice) for medicinal products in solid and sterile dosage forms.
- Enhanced productivity in production operations through KAIZEN (5S, OEE, SMED).
- Performed QRM (Quality Management System) activities modeled by Risk Assessment (FMEA method) and Root Cause Analysis (Fish Bone, Five Why, and Fault Tree methods).
- Facilitated training sessions on GDP (Good Documentation Practice) and SOP (Standard Operating Procedure) for people involved in production operations.

### **ACI Pharmaceuticals Limited**

*Officer, Formulation Department*

Dhaka, Bangladesh

March, 2015 – June, 2015

- Reviewed and upgraded formulation and executed production of the lab, pilot, trial, and a scale-up commercial batch of medicinal products in liquid, semisolid, and solid dosage forms.

### **GlaxoSmithKline Bangladesh Limited**

*Intern*

Chattogram, Bangladesh

October 2013 – November 2013

- Prepared review reports on activities of production, quality assurance, and engineering departments.

## Training and Workshop

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- Attended hands on training on **Primer Design, DNA Polymorphism, and PCR Technique** arranged by Rufaida Research Foundation under sole supervision of Dr. Md. Aminul Haque in 2023.
  - Attended a workshop on **Basic Research Methods in Health Science** conducted by Dr. Shajedur Rahman Shawon in 2021.

- Attended one-week training with one month project on **Computer-Aided Drug Design** organized by The Red-Green Research Center in 2019.

## Extracurricular Activities

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- Awarded for “QUALITY SPEECH” at the public speaking competition at Square Pharmaceuticals Limited.
- Volunteering in social activities under Lions Clubs International, Bangladesh.

## Publications

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- **Conference Abstract:** Antidiabetic medication patterns of type-2 diabetic patients in Dhaka City: A cross-sectional study.  
International Conference on Drug Discovery and Development on Sep 19, 2022, at IUB, Dhaka, Bangladesh.
- **Conference Abstract:** Modified Polyvinyl Alcohol-Based Composite Membrane for Application in DMFCs.  
International Conclave on Materials, Energy & Climate on Dec 19, 2022, at DU, Dhaka, Bangladesh.
- **Conference Abstract:** ICTSE-137 Cost Effective Liquid Poly-Aluminium Chloride (PAC) Used as a Coagulant Agent for Treatment and Recycling Industrials Waste Water.  
International Conference on Textile Science & Engineering · Jan 20, 2023, at BUTEX, Dhaka, Bangladesh.