

FATEMA-TUZ-ZOHORA

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ResearchGate

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LinkedIn

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EDUCATION

Masters of Science in Microbiology 2015

University of Chittagong
CGPA 3.85 Out of 4.00 (1st Class 1st)

Bachelor of Science in Microbiology 2014

University of Chittagong
CGPA 3.78 Out of 4.00 (1st Class 1st)

Higher Secondary Certificate (H.S.C) in Science 2009

Board of Intermediate & Secondary Education, Chittagong, Bangladesh
Chittagong College
GPA 4.80 Out of 5.00

Secondary School Certificate (S.S.C) in Science 2007

Board of Intermediate & Secondary Education, Chittagong, Bangladesh
Bangladesh Mohila Samiti Girls' High School (BAWA), Chittagong
GPA 5.00 Out of 5.00

RESEARCH INTERESTS

- Molecular Microbial Genetics
- Environmental Biotechnology and Food Microbiology
- Bioinformatics
- Microbial Communication(Quorum Sensing) and Immunology

RESEARCH EXPERIENCE

Publication Barua, R., Barua, S., Fatema-Tuz-Zohora, R.M., Uddin, M.S., Hasegawa, H. and Rahman, I.M., Bacteriological and Physicochemical Characteristics of Kaptai Lake Water in Terms of Public Health Significance.

M.S. Thesis Biochemical & pathological characterization of *Ralstonia solanacearum* disease in potatoes and control of *R. solanacearum* by natural substance(s), under the supervision of Dr. Mohammad Seraj Uddin,
Department of Microbiology

<p>University of Chittagong</p>	<p>Associate Prof., Dept. of Microbiology, University of Chittagong, Chittagong and cosupervision of Dr. Rashidul Islam, Prof., Plant Pathology Department, Bangladesh Agricultural University (BAU), Mymensingh and Mr. Rasel Barua, Lecturer, Dept. of Microbiology, University of Chittagong, Chittagong.</p>
<p>Project (Co-supervising)</p>	<p>Prediction of the potential sequence region responsible for the immortality in <i>Turritopsis dhornii</i></p>

PROFESSIONAL EXPERIENCES

<p>Adjunct Faculty Asian University for Women</p> 	<ul style="list-style-type: none"> • Preparing lectures and class activities focusing on the analysis of determinate and indeterminate structures for freshman and senior level undergraduates • Creating and grading course assessments to ensure students understood the material and stayed on track • Attending conferences and program meetings • Acting as a sponsorship committee and organizing committee member in the international conference and judging presentations • Co-supervising students in summer projects and theses. • Course taught: Lab: General Biology, Environmental Microbiology, Cell & Molecular Biology, Genes & Genomes, Bioinformatics, and Science Lab Methodology
<p>Former-Microbiologist Unilever Bangladesh Ltd. (UBL)</p> 	<ul style="list-style-type: none"> • Planning and carrying out trials through conventional microbiological methods • ATP Luminometer analysis of the products • Releasing products after microbial analysis through SAP • Environmental analysis (air count), collecting samples and swab from a variety of locations and factory machines • Recording, analyzing, interpreting and sharing data with departmental managers • Keeping up to date with scientific and research developments • Ensuring that data is recorded accurately in accordance to international guidelines • Inspecting food manufacturing processes (e.g. Knor) to check for possible contamination • Managing laboratory and observing safety standards
<p>Contributor Drug Delivery & Therapeutics (DDRx)</p> 	<ul style="list-style-type: none"> • Co-supervision of science projects

HONORS AND AWARDS

- National Science and Technology Fellowship (NST), Ministry of Science & Technology, Bangladesh [2015-2016]
- D.P.I Scholarship, University of Chittagong, 2015
- Board Merit Scholarship, Chittagong Education Board, 2007
- Junior Scholarship, Chittagong Education Board, 2004

Conference/ Workshop Attended

3rd National Conference on Natural Science And Technology, NCNST 2016	<i>April 15-16</i> Asian University for Women (AUW) Chittagong, Bangladesh
Workshop on Computational Tools for Cancer research	<i>March 11-12, 2016</i> Molecular Modeling and Drug Design Laboratory (MMDDL) Bangladesh Council of Scientific and Industrial Research (BCSIR), Chittagong-4220, Bangladesh
Training for Assessing Pollution (Trace/ Heavy Metals) in Rivers, Estuaries and Coastal Waters Using Innovative ArtificialMussel (AM) Technology –	<i>January, 2015</i> Financial support by Food and Agriculture Organization of the United Nations (FAO) under the project on “Sustainable Management of the Bay of Bengal Large Marine Ecosystem (BOBLME)” (Supported by GEF) on Pollution Monitoring in Bangladesh (Artificial Mussel Technology)FAOBGDLOA2014-031.
Microbiology Workshop 2014 “we live within us”	<i>August 16, 2014</i> Microbiology Association of Bangladesh (MAB)
The training program on Basic Biotechnology	<i>June 15-19, 2014</i> National Institute of Biotechnology (NIB) Savar, Dhaka
26th Annual Conference “Microbes and Environment”	<i>January 21, 2012</i> Bangladesh Society of Microbiologist (BSM)

TECHNICAL SKILLS

- Microbial culture, biochemistry and physiology analysis
- Microbial count using ATP Luminometer
- Chromosomal and plasmid DNA extraction, isolation and purification
- Polymerase chain reaction (PCR); Agarose and polyacrylamide gel electrophoresis
- BLAST sequence analysis, PhET software
- Molecular Evolutionary Genetic Analysis (MEGA) software
- Protein modeling: I-TASSER, Swiss Model
- Restriction mapping: SnapGene Viewer
- Programming languages and mathematical packages: MATLAB

LANGUAGE SKILL

Bengali: Mother tongue

English: Proficient in Reading, Writing, Listening and Speaking

INTERESTS

- . Reading non-fictions
- . Browsing Internet
- . Watching Movies
- . Cooking

REFERENCES

**Dr. Mohammed Abul
Manchur**

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University of Chittagong, Chittagong-4331, Bangladesh
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Port City International University
Former Professor,
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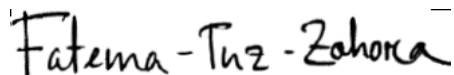
**A.K.M. Moniruzzaman
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Announcement

I hereby declare that the particulars provided are true and no misinformation is given.

Sincerely,



Fatema-Tuz-Zohora
August 27, 2021