
Curriculum Vitae

Ahmed Ishtiaque

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EDUCATION

2007 – 2011 B.Sc. Biochemistry & Biotechnology

North South University, Dhaka, Bangladesh (3.57/4.0)

Thesis Topic: Anti GM-1 antibody and Guillain–Barré syndrome (GBS) in Bangladesh: Role of Anti GM-1 antibody in disease prognosis and efficiency of different treatment options.

Details: Experiments conducted during the internship in ICDDR, B as an elective fellow as my undergraduate final year project. Wet lab work involves mainly ELIZA and sample dilution and plate designing

Supervisor: Mrs. Ishrat Jebeen. External Supervisor: Dr. Zahirul Islam (Enteric and food microbiology laboratory, ICDDR, B)

2014-2015 M.Sc. Cancer Immunology and Biotechnology

The University of Nottingham, United Kingdom

Thesis topic: Expression of HLA class 1 and PD-1/PDL-1 in non-small cell lung carcinoma and their correlations with patients' clinicopathological factors and disease prognosis.

Details: Conducted in the Academic Oncology Unit of Nottingham City hospital while working with the Antibody team of Scancell technologies. **Mainly worked with NSCLC samples doing Immunohistochemical analysis with close association with pathologist and lab technicians.**

Supervisor: Prof Lindy G Durrent. Bench Supervisor: Dr. Richard McIntosh

PROFESSIONAL EXPERIENCE

Senior Lecturer (Full time Faculty member)

May 2022- present

Department of Biochemistry & Microbiology, School of Health; Life Sciences, North South University, Bangladesh

Lecturer (Full time faculty member)

September 2017- May 2022

Department of Biochemistry & Microbiology, School of Health; Life Sciences, North South University, Bangladesh

Part-time Lecturer

May 2016 to August 2017

Department of Biochemistry & Microbiology, School of Health; Life Sciences, North South University, Bangladesh

Research student at The City hospital Nottingham;

November 2014 to September 2015

Academic Oncology unit, Antibody team, Supervisor: Prof: Lindy G Durrent (CEO of Scancell)

IELTS instructor at FM methods.

(February 2013 to July 2013)

Elective Fellow at ICDDR, B

(August 2010 to December 28th 2012)

RESEARCH EXPERIENCE:

September 2017 – Current

Senior Lecturer

Department of Biochemistry & Microbiology, North South University

Responsibilities:

Involved in multiple research projects associating with senior professors of the department. Submitted few research grants and conducted few research projects in North South University while guiding Undergraduate research students and trained Undergraduate students. Also took several @00 , 300 level Laboratory courses and implemented new experiments to the course .

- Co principal investor of multiple CTRG grants and received around 8000 USD equivalent fundings.
- Co-drafting two journal articles, Published in **Nature Journal**.
- Primary Author of two poster presented at one international conference International Conference on Genomics, Nanotech and Bioengineering 2022 **ICGNB-2022]**

RESEARCH PUBLICATIONS

1. Type of Publication: Journal Article, **Nature Scientific report**

Refereed Publication: **Genotype-phenotype correlation of β -Lactamase-producing Uropathogenic Escherichia coli (UPEC) strains from Bangladesh.**

Maqsud Hossain, Tahmina Tabassum, Aura Rahman, Arman Hossain, Tamanna Afroze, Abdul Mueed Ibne Mmen, Abdus Sadique, Mrinmoy Sarker, Fariza Shams, **Ahmed Ishtiaque**, Abdul Khaleque, Munirul Alam, Anwar Huq, Gias U. Ahsan & Rita R. Colwell

ISSN (International Standard Serial Number): *Sci Rep* **10**, 14549 (2020).

URL (web address): <https://www.nature.com/articles/s41598-020-71213-5>

DOI : Digital Object Identifier (if your publication is accessible electronically)

Impact Factor/Citations: 4.5 [Scientific Reports volume 10, Article number: 14549 (2020) Cite this article ,4303 Accesses,7 Citations ,2 Altimetric I Metrics 3 tweets ,33 Mendeley .

Authorship Statement: Dr. Maqsud Hossain and myself have facilitated the sample collection procedure and actively involved in designing the research work and participated by drafting the write up of the article and have also guided the undergraduate research students during the project and publication of this paper.

2. Type of Publication: Conference Paper · September 2012

, 13th ASIAN CONFERENCE ON DIARRHOEAL DISEASES AND NUTRITION.

Refereed Publication: *Economization of treatment for Guillain-Barre´ syndrome: a pilot study in Bangladesh. Ahmed Ishtiaque¹, 1. Mohammad B. Islam, A.K.M Shafiqur Rahman², HuberP. Endtz, 3 Quazi D. Mohmmad and Zahirul Islam¹ [ASCODD 2012]*

ISSN (International Standard Serial Number): Conference Paper · September 2012

URL (web address) :

https://www.researchgate.net/publication/344225099_13th_ASIAN_CONFERENCE_ON_DIARRHOEAL_DISEASES_AND_NUTRITION_ECONOMIZATION_OF_TREATMENT_FOR_GUILLAIN-BARRE_SYNDROME_A_PILOT_STUDY_IN_BANGLADESH

DOI : Conference: About the Asian Conference on Diarrheal Disease and Nutrition (ASCODD) 10 - 12January, 2012 At: Tagaytay City, Manila, Philippines

Impact Factor/Citations: Research Interest Score 0.5

Authorship Statement: Apart from Laboratory work as an Elective fellow at ICDDR, B I have closely worked with the Clinical practitioner to understand the treatment option and have done training on SPSS during my internship. Later I developed an interest in collecting and compiling the data on SPSS. My external Supervisor suggested that I submit an observation. Later this turned into a finding that many patients come from peripheral areas of the country and suffer from

financial burden, when a pilot plasma therapy technique was implemented, many benefited from that. I proposed to submit the findings and challenges faced by our people and how this treatment is helping them. Later after a year this work got published in 13th ASIAN CONFERENCE_ON DIARRHOEAL DISEASES AND NUTRITION in the Philippines in 2012.

OTHER PUBLICATIONS

Poster Presentation

1st Paper Title: An integrated approach of phenotypic and genotypic analysis of β -lactamase in ESBL producing Enterobacteriaceae from served water samples in Dhaka

Poster presented in ICGNB 2022 An integrated approach of phenotypic and genotypic analysis of β -lactamase in ESBL producing Enterobacteriaceae from served water samples in Dhaka

Kaifi Sultana Kabbo¹, **Ahmed Ishtiaque¹**, Ishrat Jabeen

CMT Paper ID: 63, ID mentioned in the abstract book of ICGNB 2022: IDP-010 [Page 133]

2nd Paper Title: Identification and DNA barcoding of economically valuable marine seaweeds of Bangladesh. Poster presented in ICGNB 2022, Identification and DNA barcoding of economically valuable marine seaweeds of Bangladesh.

Ahmed Ishtiaque¹, Mohammad Mohsin Jim¹, Tamim Ahsan², Md. Moniruzzaman², Shafia Tasnim Khan¹, Chaman Ara Keya¹; ¹Department of Biochemistry and Microbiology; North South University, Dhaka Bangladesh ²Molecular Biotechnology Division, National Institute of Biotechnology, Dhaka, Bangladesh

*Corresponding Author: ahmed.ishtiaque@northsouth.edu

CMT Paper ID: 395, ID mentioned in the abstract book of ICGNB 2022: GGP036, Page 29

CONFERENCES/WORKSHOPS

- Training on Basic Biosafety and Biosecurity 2011 ICDDR, B
 - Attended and worked as an organiser ICGNB 2017
 - Attended and participated in ICGNB 2022
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GRANTS AND AWARDS AND ACHIEVEMENTS

- Development Solution scholarship 2014 **University of Nottingham Scholarship for Developing countries for scholars who plan to implement their research back in their homeland after pursuing their graduation and make significant contributions to their society.** *University of Nottingham paid around 7500 Pounds towards my tuition fees. 50% of the total tuition of the Masters course.*
- *I have gathered research and cultural experience and implemented it in my alma mater institute by joining here as a Lecturer. The award was given in 2014*
- *Worked as an Elective fellow in Enteric and Food microbiology laboratory. ICDDR, B (August 2011 to January 2012)*

- *Founding Executive member of North South University Life Science Club: Worked as an executive member for the club to arrange and organize various events, e.g, Club carnival, seminars, Intra university poster presentation, education fair, excursion etc.*
- *Co-founder of CYC (Competent Youth Community) engaged in social and charitable activity to raise awareness amongst the young people. (April 3rd 2019 till August 2014)*
- *Member of NSUCC [Computer Club] North South University: learned about event management, participated in career fair 2008, Organizer of World Cyber Gaming competition (WCGC200)*

Current involvement

A. Supervising Undergraduate Thesis Students

[The latest detailed list of current students and research can be found on my NSU WEBPAGE

<http://www.northsouth.edu/faculty-members/shls/biochemistry-microbiology/ahmed-ishtiaque.html>]

B. Research and Publication associating with Professors and Associate professors

- Evaluation of Disk Potentiation Test (DPT) and Double Disk Synergy Test (DDST) for detection of metallo- β -lactamases (MBLs) in clinical isolates of Bangladesh. Co PI *Ahmed Ishtiaque* with Principal investigator *Chaman Ara Keya*. [CTRG funding \approx 3.8000 US Dollar]*
- Isolation and Characterization of Extended Spectrum Beta-Lactamase (ESBL) Producing Enterobacteriaceae from Water Samples of Various Food Vendors in Dhaka City. Co PI *Ahmed Ishtiaque* with Principal investigator: *Dr. Ishrat Jabeen* [CTRG funding \approx 4000 US Dollar].*
- Submitted a Project as principal Investigator for CTRG funding FY 2022. Titled:** Identification of a suitable insect host in Bangladesh and establishment of culture condition of *Ophiocordyceps sinensis*, an edible mushroom rich in bioactive compounds (decision is pending). Co-investigator: Dr. Muktadir Shahid Hossain

Teaching Responsibilities:

I. Teaching courses:

- Human Physiology (BBT 221)
- Biophysical Chemistry (CHE 201).
- Introduction to Biochemistry & Biotechnology, (BIO 201)
- Biology I (BIO 103)
- General Chemistry (CHE101)
- General Chemistry Laboratory (CHE 101 L),
- Plant Biotechnology Laboratory (BBT 413 L)
- Protein & Enzymes chemistry Laboratory (BBT 314 L)
- Chemistry of Biomolecules Laboratory (CHE 203 L)

Usually prepare Lectures and deliver and check scripts and also mentoring more than 45 undergraduate departmental students at this time

II. Supervising undergraduate students research projects. (BBT 422/BBT 499/MIC 498)

Administrative Responsibilities:

- Subcommittee member of North South University Admission Test. (2017-2018 ,2022 till now)*
- Admission test committee member of the Masters in Biotechnology in the Dept. of Biochemistry & Microbiology. (2017-Present)*
- Guide the Departmental pre advising as well as undergraduate students advising the process. (2017 – Present)*
- Involved with the plan and layout of the course map.*

V. Prepare departmental banners and posters for promotion purpose (2017 –Present)

REFEREES

<p>Lindy G Durrent Professor of Cancer Immunotherapy. Faculty of Medicine & Health Science, The University of Nottingham. Email: lindy.durrant@nottingham.ac.uk</p>	<p>Dr.Md. Salimullah Director General (Additional Charge), National Institute Phone: +88 01738999993 Email: dgnibbd@gmail.com/ salim2969@nib.gov.bd</p> <p>National Institute of Biotechnology (NIB),</p>
<p>Dr. Sohidul Islam Professor, North South University Post-Doctoral study in Host- Pathogen Interaction, University of Florida, Gainesville, USA Ph.D. in Clinical Microbiology Karolinska Institute, Stockholm, Sweden Phone: +880-2- 55668200 Ext: 1921 Email: sohidul.islam@northsouth.edu Office: Room#SAC-811, South Academic Building, NSU Campus</p>	<p>Dr Muhammad Maqsud Hossain Director, NSU Genome Research Institute (NGRI) of Biotechnology, Bangladesh Associate Professor Ph. D. (Bioinformatics and Computational Biology), University of Nottingham, UK Phone: +880-2-55668200 Ext: 1903 Email: muhammad.maqsud@northsouth.edu</p>

