

Nazratun Nayeem Choudhury

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Education

North South University, Dhaka, Bangladesh

2016 MSc. Biotechnology

Queen Mary, University of London, UK

2011 BSc. (Hons) Biomedical Sciences

Mastermind, Dhaka, Bangladesh

2007 A Level Physics, Biology, Chemistry, Mathematics

Employment Experience

Independent University, Bangladesh (IUB), Bashundhara, Dhaka

School of Life Sciences

Research & Development Officer, November 2016- present

International Centre for Diarrhoeal Disease Research(icddr,b), Dhaka, Bangladesh

Clinical Microbiology and Immunology Laboratory

Internship, August 2015- August 2016

North South University (NSU), Bashundhara, Dhaka

Department of Biochemistry and Microbiology

Laboratory Instructor, February 2015- February 2016

Queen Mary, University of London, UK

School of Biological and Chemical Sciences

Research Assistant, January 2013- November 2013

Research Experience

International Centre for Diarrhoeal Disease Research(icddr,b), Dhaka, Bangladesh

Clinical Microbiology and Immunology Laboratory

- Laboratory training in immunological techniques and PCR
- Working with automated analyzers, ELISA
- Detailed training in Biosafety and Biosecurity
- Trained in Quality Management System for diagnostic laboratory (ISO accredited)
- Field work for ongoing projects in other sites, e.g. Shaheed Suhrawardy Medical College Hospital
- Proposal writing for research funding
- Statistical data analysis

North South University (NSU), Bashundhara, Dhaka
Department of Biochemistry and Microbiology

- Conducting laboratory classes for Biochemistry and Microbiology
- Lab demonstration, overall preparation and trial, grading Lab reports
- Assisting in preparing and validating protocols
- Assisting research students

Queen Mary, University of London, UK
School of Biological and Chemical Sciences
(Research Assistant)

- Investigating a certain aspect of Bul proteins in mutant strains of *Saccharomyces cerevisiae*
- Assisting in everyday maintenance of the laboratory
- Assisting undergraduate students working on summer projects
- Making bacterial and yeast media, doing bacterial and yeast cultures and making glycerol stocks of mutant strains to store in -80 degree centigrade freezer
- Experimentation using biochemical techniques such as DNA cloning, Bacterial Transformation, Agarose gel electrophoresis, Yeast transformation, SDS- PAGE, Western Blot and visualising western blots using ECL.
- Trained in mammalian cell culture and transfection, and in PCR

Queen Mary, University of London, UK
School of Biological and Chemical Sciences
(Undergraduate Research)

- Use of zebra fish which is an increasingly popular vertebrate model organism
- Use of video trafficking software (NoldusEthoVision XT)
- Statistical Analysis of raw data using statistical software Minitab 15 and SPSS
- Performed immunocytochemistry on zebra fish embryos

Training/Workshop

- **Training Course on Computational Analysis of Biological Sequence Data**
International Centre for Diarrhoeal Disease Research(icddr,b), Dhaka, Bangladesh
- **Biosafety Level 2 Laboratory Safety Training**
International Centre for Diarrhoeal Disease Research(icddr,b), Dhaka, Bangladesh