

Sumaiya Afrin Soha

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Education

O'level	2007
International Education Center (I.E.C)	Dhaka, Bangladesh
English, Bangla, Math B, Biology, Chemistry, Physics	
A'level	2008-2009
Q.E.D Academy	Dhaka, Bangladesh
Biology, Chemistry, Physics	
Bachelor of Science	2010-2013
North South University (NSU)	Dhaka, Bangladesh
Department of Biochemistry and Microbiology	
Undergraduate in Biochemistry and Biotechnology	
GPA: 3.83/4.0 (received an award of 50% merit based scholarship)	
Masters of Science	2014-2015
North South University (NSU)	Dhaka, Bangladesh
Department of Biochemistry and Microbiology	
Master's in Biotechnology	
GPA: 3.97/4.0 (received an award of 50% merit based scholarship)	

Employment Experiences

Independent University Bangladesh (IUB)	
School of Life Science	
Lecturer of Biochemistry	Fall 2017- Present
International Turkish Hope School	
Senior Biology Teacher (High School)	Summer 2014 – Summer 2017
North South University (NSU)	
UGA (undergraduate teacher's assistant)	Fall 2011 - Spring 2013

Research Experiences

International Center for Diarrheal Disease Research, Bangladesh (icddr,b)
Undergraduate Student with Dr. Md. Aminul Islam (PhD) and Prof. Dr. Abdul Khaleque (PhD)
Detection of *bla*_{TEM-1}, *bla*_{SHV-1} and *bla*_{CTX-M-1} genes in ESBL-producing environmental isolates by PCR analysis

- Tested ESBL producing strain of the *Enterobacteriaceae* family for presence of major classes of ESBL genes *bla*_{TEM-1}, *bla*_{SHV-1} and *bla*_{CTX-M-1}
- Results suggested that there has been an increase in the prevalence of CTX-M-1 type ESBL-producing *Enterobacteriaceae*

North South University (NSU)

Graduate Student with Prof. Dr. Sohikul Islam (PhD) and Prof. Dr. Obaidur Rahman (PhD)

Health benefits of different types of banana fruits available in local markets

- Investigated total phenolics content
- Investigated total flavonoid content
- Investigated total radical scavenging activity
- Investigated total ascorbic acid content
- Investigated total sugar (TS) content
- Results concluded *Musa acuminata* var. *Cavendish* and *Musa sapientum* provides the most health benefits

Accomplishments

- Summa Cum laude graduate