

## **AMENA KIBRIA**

Scientific Officer

BCSIR Laboratories Chattogram

Chattogram Cantonment Area

Chattogram – 4220

Bangladesh

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### **Career Summary:**

In academic life, I have done individual research work as part of my MSc in Applied Mycology. In my professional career, I have attended some research and challenge oriented activities such as worked as Research Fellow at BCSIR, and currently I am working as Scientific Officer at BCSIR. As part of my job at BCSIR, I was Project Leader of two R & D Projects entitled 'Development of Vitamin Enriched Herbal Hair Care Products from Medicinal Plants' and 'Chitosan - Sodium Alginate based Plant Growth Regulator (PGR)' funded by Ministry of Science and Technology, and worked as a project associate in some other R & D projects of BCSIR.

### **Specialization:**

Have expertise in the field of seaweed, plant taxonomy, medicinal and aromatic plants, plant physiology, applied mycology & molecular biology, presentation, developing data collection instruments, reviewing literature, analyzing both qualitative and quantitative data, monitoring fieldwork, Report writing, conducting research, developing research proposals and translating efficiently.

### **Academic Qualification:**

**Masters of Science (MSc) in Applied Mycology**, Year- 2010 (Awarded in 2013), Result- CGPA- 3.95 out of 4.00 (First position) from *Jagannath University*, Dhaka- 1100, Bangladesh

**Bachelor of Science (BSc Hon's) in Botany**, Year- 2009 (Awarded in 2012), Result – CGPA-3.79 out of 4.00 (First position) from *Jagannath University*, Dhaka- 1100, Bangladesh

**Higher Secondary Certificate (HSC)**, Group - Science, Year Passed- 2005, Result- CGPA-4.30 (First Class) from *BAF Shaheen College*, Dhaka Board, Bangladesh

**Secondary School Certificate (SSC)**, Group - Science, Year Passed- 2003, Result- CGPA-4.25 (First Class) from *Civil Aviation High School*, Dhaka Board, Bangladesh

### **Employment History:**

#### **Scientific Officer (October 21, 2018 – Cont.)**

**BCSIR Laboratories Chattogram**, Chattogram Cantonment Area, Chattogram- 4220

Department: Medicinal & Aromatic Plant Research Division

#### **Major Duties/Responsibilities:**

Formulation of research and development plan and program of the division. To do analytical work of different products of third party clients related to the division. To overall supervision of the administration, research and development of work of the division. Participate and conduct seminars, symposium, workshops, conference and training.

#### **Lecturer (May, 2018 – October 2018)**

**K C Model School and College (KCMSC)**, 275- Prembagan, Dakshinkhan, Dhaka-1230.

Department: Biology

#### **Major Duties/Responsibilities:**

Teach students through lecture, tutorial, discussion, seminar, practical demonstration and workshop. Conduct and/or supervise research. Make personal communication with the students, give correct guideline to them and supervise their activity.

### Research Fellowship:

#### **Research Fellow (5<sup>th</sup> May 2014 to 4<sup>th</sup> May' 2018)**

**BCSIR Laboratories Dhaka**, Professor Nurul Afsar Khan Post Graduate fellowship under Ministry of Science & Technology.

Title of the study: 'Mycoflora and its dynamic in Arthrospira (Spirulina) platensis powder'. Under the supervisions of Dr. Nasima Akhter, PSO, BCSIR and Md. Abdul Matin Sarker, PSO, BCSIR.

### Professional Qualification:

**First Special Foundation Training Course for BCSIR & ACC Officials**, Successfully Completed from Bangladesh Public Administration Training Centre (BPACT) from 18 November 2018 to 16 January 2019.

### Supervision/Co-supervision:

Co-supervised MSc thesis student from Botany department of Jagannath University, Titled: Isolation, Characterization and Identification of Agawood Mycoflora.

### List of Publications:

- Md. Saddam Hossain, Md. Shahiduzzaman, Mohammad Abdur Rahim, Methun Paul, Rajib Sarkar, Farjana Showline Chaity, Md. Najem Uddin, G.M. Masud Rana, Mst. Sarmina Yeasmin, **Amena Kibria**, Saiful Islam, 2023, Bioactive properties and organosulfur compounds profiling of newly developed garlic varieties of Bangladesh. Food Chemistry: X 17 (2023) 100577. [www.sciencedirect.com/journal/food-chemistry-x](http://www.sciencedirect.com/journal/food-chemistry-x).
- N Momtaz, A Parvin, MK Hossain, B Saha, M Moniruzzaman, **A Kibria**, MAM Sarker, JL Munshi, 2021, Blood meal organic fertiliser application on onion yield. Bangladesh J. Sci. Ind. Res. 56(2), 87-94. <https://doi.org/10.3329/bjsir.v56i2.54315>.
- M. S. Rahman, A. Chakraborty, N. C. Nandi, **Amena Kibria** and M. J. Hossain, 2021, Potential impact of iron nanoparticles on growth performance of pea (Pisum sativum). Int. J. Bus. Soc. Sci Res. 9(1): 01-08. <http://www.ijbssr.com/currentissueview/14013400>.
- **Amena Kibria**, K. S. Hossain, N. Akhtar, M. A. A. Jahan, A. M. Sarker, Most. N. Begum, 2016, New Records of Seven Fungal Species for Bangladesh. Bangladesh J. Plant Taxon, 23 (1): 1-6. IF: 0.6, DOI: [10.13140/RG.2.1.2663.9443](https://doi.org/10.13140/RG.2.1.2663.9443).

### List of Thesis:

- "FUNGI ASSOCIATED WITH ARTHROSPIRA (SPIRULINA) PLATENSIS FARMING". MSc in Applied Mycology, Supervised by Prof. Dr. Kazi Shakhawath Hossain, Department of Botany, Jagannath University, Dhaka-1100, Co-supervisor: Dr. Nasima Akhter, PSO, BCSIR & Dr. Miskat Ara Akter Jahan, CSO, BCSIR, Dhaka- 1205

### Authorship of Paper Presented at Conference:

- Presented poster paper at International Conference on Science and Technology for Celebrating the Birth Centenary of Bangabandhu (ICSTB-2021), Titled: Mycoflora and its dynamic in dry spirulina powder.
- Presented paper at International Botanical Conference organized by University of Dhaka, Titled: Fungi Associated with Arthrospira (Spirulina) Platensis Farming in 2014.
- Seminar Presentation on, Titled: 'Morphological Plasticity in Cladosporium sphaerospermum' organized by Department of Botany of Jagannath University in 2013.

### Computer Skill:

MS Office, Bengali typing, Internet browsing, Blogging and e-mailing and social networking

### Language Proficiency:

Excellent written and oral communication skills in both English and Bangla.

### Personal Details:

**Name** : Amena Kibria  
Present Occupation : Scientific Officer, BCSIR  
Father's Name : Golam Kibria  
Mother's Name : Mariam Kibria  
Marital Status : Married  
Souse Name : Md. Rafiqul Islam  
Date of Birth : December 9, 1988  
Gender : Female  
Blood Group : A+ (Positive)  
Place of Birth : Noakhali, Bangladesh  
Nationality : Bangladeshi (By Birth)  
Religion : Islam (Sunni)  
Mailing address : Medicinal & Aromatic Plant Research Division, BCSIR, Chattogram- 4220  
Permanent Address : Village: Noapara, P.O: Palla, Thana: Chatkhil, District: Noakhali

### Training Summary:


- Training on 'Information Rights Acts 2009' held on 5 December 2022, organized by BCSIR.
- Training on 'Industry 4.0: Challenges and Research Opportunities' held on 21 November, 2022, organized by BCSIR at BCSIR Chattogram Laboratories.
- Training on 'Polymerase Chain Reaction (PCR)' from 30 January- 03 February 2022, organized by BCSIR, at BCSIR Chattogram Laboratories.
- Training on 'Ultra-Violet, Visible NIR Spectrophotometer' from 12-16 September, 2021, organized by BCSIR, at IFRD, BCSIR, Dhaka, Bangladesh
- Training on Method Validation for ISO 17025/2017 held on 31 August 2021 organized by BCSIR Laboratories Dhaka.
- Training course on 'operating and maintenance of Gas Chromatography-Mass Spectrometry (GC-MS)' held from February 07-11, 2021, organized by BCSIR, at BCSIR Laboratories Dhaka.
- Training on 'Ametek Spectroil Oil analyzer 120 C' held on 12 January 2020, organized by BCSIR Chattogram Laboratories.
- Training on 'Analytical method validation for quality in analytical laboratory' held on 31 December 2020 organized by BCSIR Laboratories Dhaka.
- Training on 'Atomic Absorption Spectrometer (AAS)' held from 17-21 November 2019, organized by BCSIR, at BCSIR Chattogram Laboratories.
- Training on BIOLOG Gen III Microstation held from May 05-07, 2019, organized by Industrial Microbiology Research Division, BCSIR Chattogram Laboratories.
- Training Program on 'Workshop on Basic Microbiology Technique' held from March 11-13, 2019, organized by Industrial Microbiology Research Division, BCSIR Chattogram Laboratories.
- Training on 'Basic Technique of Molecular Identification of Bacteria/ Fungi' held from March 6-7, 2019, organized by BCSIR Chattogram Laboratories.
- 'Basic Training on Structure Based Drug Design' held from January 29-31, 2019, organized by Molecular Modeling and Drug Design Laboratory (MMDDL) of Pharmacology Research Division at BCSIR Chattogram Laboratories.
- First Special Foundation Training Course for BCSIR & ACC Officials held from 18 November 2018 to 16 January 2019 organized by Bangladesh Public Administration Training Centre.

### Extra-Curricular/Social Activities:

- General Secretary, BCSIR Scientist Association of Chattogram Laboratories.
- Life Member of Bangladesh Botanical Society, Dhaka, Bangladesh
- Life Member of Muktokantha Recitation Academy, Dhaka, Bangladesh
- Executive Member of Jagannath University Botany Alumni Association

### Reference (S):

- Will provide based on request.

  
(Amena Kibria)