

# Afroza Parvin

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**Office:** Biological Research Division, BCSIR Laboratories, Dhaka  
Bangladesh Council of Scientific and Industrial Research,  
Dr. Qudrat-E-Khuda Road, Dhaka-1205, Bangladesh

## Education

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**M.S. in Soil, Water and Environment,** 2012  
University of Dhaka, Bangladesh

**B.Sc. in Soil, Water and Environment,** 2010  
University of Dhaka, Bangladesh

## Professional Experience

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**Senior Scientific Officer:** November 12, 2020- Present  
Biological Research Division, BCSIR Laboratories, Dhaka

**Scientific Officer:** July 12, 2015 - November 11, 2020  
Biological Research Division, BCSIR Laboratories, Dhaka  
(December 27, 2015 - November 11, 2020)  
Soil Management and Agronomical Research Division, BCSIR Laboratories, Chittagong.  
(July 12, 2015 – December 24, 2015)

## Technical skills and Competence

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- AAS
- Zeta Potential & Particle Size Analysis
- Elemental Analysis
- FTIR
- Data Analysis in R

## Publications (Selected)

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1. **Afroza Parvin**, Mohammad Moniruzzaman, Md Kamal Hossain, Badhan Saha, Afsana Parvin, Priyanka Dey Suchi et al. "Multivariate toxicological assessments of inhaled fine-submicron particle-bound metals in school-aged children of Dhaka city." *Atmospheric Pollution Research* (2025): 102545.

**2. Afroza Parvin**, Sanjida Afrin Semme, Niger Sultana, Mohammad Moniruzzaman, Badhan Saha, Abdullah Al Mahmud, M. Jasim Uddin, and Md Kamal Hossain. "Archival indicator of metal pollution in a tropical monsoon coastal region: Impact on environment and human health." *Marine Pollution Bulletin* 213 (2025): 117600.

**3.** Ferdouse Zaman Tanu, Azizul Hakim, **Afroza Parvin**, Mohammad Moniruzzaman, Mosammat Aklimatun Nasrin. "Imbalanced nutrient accumulation in the coastal soils induced by salinity intrusion." *Polish Journal of Soil Science* 55, no. 1 (2022): 37-49.

**4. Afroza Parvin** et al., Trace metal exposure and human health consequences through consumption of market-available *Oreochromis niloticus* (L.) in Bangladesh, *Environmental Science and Pollution Research*, **2023**, 30(15):45398-45413.

#### **Conference Presentations**

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- **Oral Presentations:** BCSIR Congress 2023 & 2022
- **Poster Presentations:** NAME Conference 2023

#### **Thesis Supervision**

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Supervised more than 04 MS thesis students at different field of Environment.

#### **Professional Members**

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- Soil Science Society of Bangladesh
- Scientist Forum of Bangladesh Council of Scientific and Industrial Research.

#### **Professional Training**

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- Chromatography: IC, GC, LC-MS/MS, BCSIR

#### **References**

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Available upon request.