

# **Dr. A. B. M. Badruzzaman**

**Professor**

**DEPARTMENT OF CIVIL ENGINEERING**

**Specialization:** Environmental Engineering

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## **Education**

- Ph. D. in Civil Engineering (Environment), University of Virginia, Charlottesville, VA-22901, USA, 1992.
- Master of Science in Civil Engineering (Environment), BUET, Dhaka, Bangladesh, 1987.
- Bachelor of Science in Civil Engineering, Dhaka, Bangladesh, 1984.

## **Research Interest**

- Aquatic Chemistry
- Heavy Metal Speciation and Transport
- Surface and Groundwater Quality Modeling
- Water and Wastewater Treatment
- Arsenic Contamination
- Solid Waste Management
- Environmental Impact Assessment
- Environmental Management Systems

## **Research Awards**

- ***ITEX Gold Medal 2019***

Malaysian Invention and Design Society (MINDS)

For the invention of NB-Care, A Universal Platform for Vertical Application

At the 30<sup>th</sup> International Technology Invention, Innovation and Exhibition,

Kuala Lumpur, Malaysia

May 2019

- ***Prince Sultan Bin Abdulaziz Prize for Water 2012***

PSIPW General Secretariat Prince Sultan Institute for Environmental, Water & Desert Research  
King Saud University Riyadh Kingdom Of Saudi Arabia 06 January, 2013

The team of Dr. Charles Franklin Harvey (Massachusetts Institute of Technology, USA) and Dr. Abu Borhan Mohammad Badruzzaman (Bangladesh University of Engineering and Technology, Dhaka) was awarded the Ground Water Prize for developing a complete diagnostic and conceptual model for understanding and preventing the arsenic contamination of groundwater.

- ***Most Cited Paper Award***

The following paper was awarded most cited paper from 2005 -2010

Polizzotto, M. L., C. F. Harvey, G. Li, B. Badruzzman, A.Ali, M. Newville, S. Sutton and S. Fendorf, “Solid-phases and desorption processes of arsenic within Bangladesh sediments”, **Chemical Geology**, 228, 97-111, 2006.

- ***Chi Epsilon Best Student in Civil Engineering***

Received the Top Civil Engineering Graduate Student’s Award in 1991