



**Curriculum Vitae
of
Md. Mahmudun Nabi**

*Lecturer
Department of Civil Engineering
Faculty of Engineering
Bangabandhu Sheikh Mujibur Rahman
Science & Technology University
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**CAREER
OBJECTIVES**

“To build a long-term profession as a teacher that will offer endless opportunities for career growth and to keep up with cutting-edge educational technologies. I want to see myself as a leading researcher with my innovation to direct technological trends. Develop and promote creativity and high-order thinking skills that increase the performance of the students.”

**RESEARCH
INTEREST**

- Water and wastewater treatment
- Biological nutrient removal
- Ecology of microorganisms
- Algal-bacterial photo-bioreactors
- Algal bio-refinery for biofuel production
- Renewable energy sources
- Remediation of heavy metal contamination
- Advanced oxidation processes for degradation of emerging contaminants

**ACADEMIC
QUALIFICATION**

- ❖ **M. Sc. in Civil Engineering**
Khulna University of Engineering & Technology, (www.kuet.ac.bd)
Thesis Title: “Development of Activated Carbon and Zeolite Adsorption with Anoxic-Aerobic Process for Wastewater Treatment”
Area of Concentration: Environmental Engineering
- ❖ **B. Sc. in Civil Engineering**
Khulna University of Engineering & Technology, (www.kuet.ac.bd)
Thesis Title: “Evaluation of Efficiency of Different Coagulants for the Treatment of Surface Water”
Area of Concentration: Environmental Engineering
- ❖ **Higher Secondary School Certificate**
Hamidpur Al-Hera College, Jashore
Area of Concentration: Science
- ❖ **Secondary School Certificate**
Allahr Dargah Secondary School, Jashore
Area of Concentration: Science

**TEACHING
EXPERIENCE**

Lecturer (North Western University)	[May 5, 2015- February 28, 2023]
Senior Lecturer (North Western University)	[March 1, 2023-April 20, 2024]
Lecturer (BSMRSTU)	[April 22, 2024-Till Date]

**CONDUCTED
COURSES**

Theory Courses	Sessional Courses
Environmental Engineering	Environmental Engineering Sessional
Mechanics of Solids	Design of Concrete Structures Sessional
Structural Analysis and Design	Computed Aided Analysis & Design Sessional
Fluid Mechanics	Fluid Mechanics Sessional

- PUBLICATIONS**
- [1] **Nabi, M. M.,** & Bari, Q. H. (2023). Adsorption Study of Methylene Blue from Aqueous Solutions onto Bituminous Coal Based Activated Carbon. *Journal of Engineering Science*, 13(2), 91-100. <https://doi.org/10.3329/jes.v13i2.63729>
- [2] **Nabi, M. M.,** Hossain, M.S., & Bari, Q. H. (2023, February 23-24). The Effect of *Hydraulic Retention Time on the Performance of an Anoxic-Aerobic Process for Wastewater Treatment* [Paper Presentation]. 8th International Conference on Integrated Solid Waste & Faecal Sludge Management in South-Asian Countries, KUET, Khulna, Bangladesh (ISBN-978-984-34-6151-3).
- [3] **Nabi, M. M.,** Bari, Q. H., & Rafizul, I. M. (2022, Nov. 30-Dec. 03). *Adsorption of Ammonium from Municipal Wastewater with Natural Zeolite Coupled with Regeneration* [Paper Presentation]. 12th IconSWM-CE & IPLA Global Forum 2022, Sri Venkateswara University, Tirupati, Andhra Pradesh, India.
- [4] **Nabi, M. M.,** Hashan, M. M., Alam, M.A., & Sheikh, M.O. (2019, February 23-24). *Scenario of Solid Waste Management in Khulna City in Accordance with the Economic Status* [Paper Presentation]. 6th International Conference on Integrated Solid Waste & Faecal Sludge Management in South-Asian Countries, KUET, Khulna, Bangladesh (ISBN-978-984-34-6151-3).
- [5] Sheikh, M.O., **Nabi, M. M.,** Hashan, M. M., & Alam, M.A. (2019, February 23-24). *Characteristics of Domestic Waste Water and its Treatment in KUET Campus* [Paper Presentation]. 6th International Conference on Integrated Solid Waste & Faecal Sludge Management in South-Asian Countries, KUET, Khulna, Bangladesh (ISBN-978-984-34-6151-3).
- [6] Alam, M.A., Shaha, B., Hashan, M. M., Sheikh, M.O., & **Nabi, M. M.,** (2019, February 23-24). *Reinvent the Toilet Challenges and Technologies for Energy and Treatment of Waste Water* [Paper Presentation]. 6th International Conference on Integrated Solid Waste & Faecal Sludge Management in South-Asian Countries, KUET, Khulna, Bangladesh (ISBN-978-984-34-6151-3).

ACHIEVEMENTS AND AWARDS Merit Scholarship throughout the 4 Year's study of B.Sc. Engineering in Khulna University of Engineering & Technology.

TECHNICAL SKILLS AutoCAD, STAAD.Pro, ETABS, SPSS, PLAXIS 2D, C Programming, GPS-X 8.0, Microsoft Office.

INDUSTRIAL VISIT

- Bangabandhu Water Treatment Plant, Gopalganj, Bangladesh.
- LafargeHolcim Bangladesh Limited Cement Mills, Mongla, Bangladesh.

LEADERSHIP AND VOLUNTEERING

- Ex-Head, Department of Civil Engineering, NWU, Khulna.
- Member of "Institute of Engineers, Bangladesh", (IEB)

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