

CURRICULUM VITAE

SADMAN HOSSAIN

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FUNDAMENTAL PROFICIENCIES

- ❖ Proficient team and time management skills with field work experiences, publishing 2 conference papers and 2 technical reports
- ❖ Competent research, communication; and inventive skills developed by working as a Research Assistant under the supervision of a university professor

RESEARCH INTERESTS

Soil reinforcement | Expansive soil behavior | Landslide mitigation | Erosion control and slope stabilization | Soil bioengineering | Sub-soil improvement | Construction material characterization and improvement | Sustainable geotechnics | Groundwater improvement | Earthquake engineering

EDUCATIONAL PROFILE

Bachelor of Science in Civil Engineering Awarded: October 2018
(Major: Geotechnical Engineering, Minor: Structural Engineering)
Bangladesh University of Engineering and Technology (BUET), Dhaka Bangladesh **CGPA: 3.39/4.00**
Thesis: Influence of Lime Stabilization on the Geotechnical Properties of an Expansive Soil
Supervisor: Dr. Abu Siddique
Awards: Education Board Scholarship; 2014 to 2018

WORK EXPERIENCE

Research Assistant (Full-Time) November 2021 ~ Ongoing
Bangladesh University of Engineering and Technology (BUET), Dhaka, Bangladesh
Project Name: Vetting Services on the Design and Drawings for the Construction of the Ferry Ghat and Bank Erosion Measures at the Paturia and Daulatdia, Bangladesh Inland Water Transport Authority (BIWTA).
Key Responsibilities: Laboratory characterization of soils, Field monitoring works, Design and Cost analyses, Guideline and Report preparation.

Research Assistant (Full-Time) November 2018 ~ April 2020
Bangladesh University of Engineering and Technology (BUET), Dhaka, Bangladesh
Project Name: Haor Infrastructure and Livelihood Improvement Project (HILIP), Local Government and Engineering Department (LGED), Funded by IFAD-UN.
Key Responsibilities: Field and laboratory characterization of soils, Field monitoring and piloting works, Cost analyses, Guideline and Report preparation.

Research Assistant (Part-Time) May 2020 ~ October 2020
Bangladesh University of Engineering and Technology (BUET), Dhaka, Bangladesh
Project Name: Vetiver Based Bio-Engineered Slope Protection and Liquid Soil Catalyst Agents to Improve Soil Bearing Capacity in Cambodia, Funded by Asian Development Bank (ADB).
Key Responsibilities: Design and Cost analyses, Guideline for Labor Contracting Society and Report preparation.

Research Assistant (Part-Time)

December 2019 ~ February 2020

Bangladesh University of Engineering and Technology (BUET), Dhaka, Bangladesh

Project Name: Coastal Climate Resilient Infrastructure Project (CCRIP), Local Government and Engineering Department (LGED), Funded by ADB, IFAD-UN.

Key Responsibilities: Drawing and design calculations, Cost analyses, Report preparation.

Research Assistant (Part-Time)

August 2019 ~ December 2019

Bangladesh University of Engineering and Technology (BUET), Dhaka, Bangladesh

Project Name: Construction of U-Loop at Paduar Bazar, Cumilla, Bangladesh.

Key Responsibilities: Laboratory characterization of soils, Design of Pile Capacity, Report preparation.

Research Assistant (Part-Time)

June 2019 ~ August 2019

Bangladesh University of Engineering and Technology (BUET), Dhaka, Bangladesh

Project Name: Construction of Patenga Container Terminal, Chattogram, Bangladesh.

Key Responsibilities: Sub-soil Investigation, Laboratory characterization of soils, Report preparation.

PUBLICATIONS

Conference Papers:

- (1) Islam, M.S.; Islam, T.; **Hossain, S.**; Bhuiyan, M.S.R.; and Islam, M.Z. (2020) “Bioengineered Protection System for Haor Infrastructures.” *presented in* International Conference on Earth & Environmental Sciences & Technology for Sustainable Development (ICEEST-2020), Dhaka, Bangladesh.
- (2) Masiyat, M.; **Hossain, S.** and Siddique, A. (2020) “Influence of Lime Stabilization on the Geotechnical Properties of an Expansive Soil” *presented in* 5th International Conference on Civil Engineering for Sustainable Development (ICCESD-2020), Khulna, Bangladesh.

Undergraduate Thesis: “Influence of Lime Stabilization on the Geotechnical Properties of an Expansive Soil”

- This research was focused on geotechnical properties of a selected lime treated expansive soil compared with untreated expansive soil.

Technical Report:

- (1) Final Report on “Investigation of Climate Resilient slope Protection of Embankments”, April 2020.
- (2) Final Report on “Monitoring the Performance of village protection, Model Village, Upazilla/Union Road, Slope Protection”, HILIP, LGED, March 2021.

TECHNICAL SKILLS

- ❖ Drawing Software: AutoCAD,
- ❖ Design Software: ETABS, SAP2000,
- ❖ Programming Software: MATLAB, Code Blocks
- ❖ Basic Computer Skills: Microsoft Office, Microsoft Excel.

EXTRA-CURRICULAR ACTIVITIES

- ❖ Champion - Inter House Basketball Competition 2009, Jhenaidah Cadet College, Bangladesh
- ❖ Champion - Inter House Basketball Competition 2011, Jhenaidah Cadet College, Bangladesh
- ❖ Champion – Inter Hall Basketball Competition 2017, Bangladesh University of Engineering and Technology (BUET), Bangladesh

LANGUAGE PROFICIENCY

- ❖ TOEFL iBT: Total Score: 100 (Reading: 27, Listening: 26, Speaking: 23, Writing: 24)

GRADUATE RECORD EXAMINATION

- ❖ GRE: (Quantitative: 162, Verbal: 150, AWA: 3.5)