

Curriculum Vitae

**S. M. SHAFQUAT ALAM**

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**ACADEMIC CREDENTIALS**

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- **Junior School Certificate (JSC)**  
2010 Ideal School & College, Dhaka Board  
GPA: 5.0/5.0
- **Secondary School Certificate (SSC)**  
2013 Ideal School & College, Dhaka Board  
GPA: 5.0/5.0
- **Higher Secondary School Certificate (HSC)**  
2015 Rajuk Uttara Model College, Dhaka Board  
GPA: 5.0/5.0
- **Bachelor of Science in Civil Engineering**  
Bangladesh University of Engineering & Technology (BUET)  
CGPA: 3.16/4.00  
Major: Environmental Engineering, Minor: Geotechnical Engineering  
(February, 2016-February, 2021)

**STANDARDIZED TEST SCORES**

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Graduate Record Examination (GRE) – 22<sup>nd</sup> September, 2021

Total	Quantitative Reasoning	Verbal Reasoning	Analytical Writing
312	163	149	3.0

Test of English as a Foreign Language (TOEFL) – 17<sup>th</sup> November, 2021

Total	Reading	Listening	Speaking	Writing
95	24	28	22	21

**RESEARCH INTERESTS**

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Wastewater Treatment || Waste Management || Nanotechnology

## RESEARCH EXPERIENCE

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Undergraduate Thesis: "**Adsorptive remediation of chromium from chrome tanned liquor using medical waste incineration fly ash.**" Under the supervision of Dr. Tanvir Ahmed (BUET).

This thesis performs the removal of Chromium from Chrome Tanned Liquor by using Medical waste incineration ash where almost 99% Chromium content was removed. Then optimum adsorbent dosage and contact time of the Fly ash was evaluated. Analysis of the effect of fly ash was done on wastewater on certain parameters such as COD, BOD, TDS, TSS, EC and pH.

## CONFERENCE PROCEEDINGS

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Azad, S., **Alam, S. M. S.** "Adsorptive remediation of chromium from chrome tanned liquor using medical waste incineration fly ash" *3<sup>rd</sup> International Conference on Research & Innovation in Civil Engineering, 2022, Chittagong, Bangladesh.* (Accepted)

## TECHNICAL SKILLS

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Engineering software: AutoCAD    ETABSSAP 2000  
Office Essentials: Microsoft Office Suits (Word, Excel, PowerPoint)  
Programming Language: C++        LaTeX

## PERSONAL SKILLS

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- Team player with an enthusiastic attitude
- Enthusiastic, hardworking, sincere and honest
- Quick Learner
- Skilled at analyzing & interpreting information
- Good management, leadership, and decision making

## EXTRA-CURRICULAR ACTIVITIES

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- Photography
- Video-graphy & Video editing
- Participation in Hult Prize (2021)
- Participation in 'Game of Trusses' Competition by CENNOVATION at Islamic University of Technology (2019)
- Participation in Earthquake Design Competition by ECCENTRIC, Civil Engineering Festival at Bangladesh University of Engineering & Technology (2018)

## REFERENCE

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**1. Dr. Tanvir Ahmed**

Professor

Department of Civil Engineering, BUET

Email: tanvirahmed@ce.buet.ac.bd

**2. Dr. Mehedi Ahmed Ansary**

Professor

Department of Civil Engineering, BUET

Email: ansary@ce.buet.ac.bd