



Twin Tower Concord (Flat-16A/4)  
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Shantinagar, Dhaka-1217,  
Bangladesh.  
(Present & permanent)



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**M.Sc.Eng. (February, 2014)**  
Civil and Geotechnical Engineering  
Bangladesh University of  
Engineering and Technology  
(BUET), CGPE: 3.08 (out of 4)

**Thesis Title:**  
Effect of Nonplastic Silt Content on  
Liquefaction Behavior of Fine Sand.

**B.Sc. (December, 2010)**  
Ahsanullah University of Science  
and Technology,  
Civil Engineering.  
CGEP: 3.58 (out of 4)

**Thesis Title:**  
Creep and Shrinkage of Crushed  
Brick Concrete.

**H.Sc (2004 to 2006)**  
Engineering University Higher Sec-  
ondary School,  
Dhaka, Bangladesh.  
CGPA: 3.90 (out of 5)

**S.Sc. (2002 to 2004)**  
Segun Bagicha High School,  
Dhaka, Bangladesh.  
CGPA: 4.58 (out of 5)



Bangla (Mother tongue)  
Hindi  
English



Auto CAD (2D)  
Etabs

# Resume

Engr. Mohammad Emdadul Karim



National ID: 19892696653242745  
Date of Birth: 20 May 1989  
Father: Mohammad Muzahid Miah  
Mother: Hosneara Begum

## Career

Want to be a renowned Geotechnical Engineer.

## Working Experience

- Running and maintaining **Cyclic and Monotonic Triaxial test machines** at Bangladesh University of Engineering and Technology (**BUET**). (Made by: ((1) Geocomp, U.S.A.; (2) UTEST, Turkey; (3) Wille, Germany; (4) Nan-jing TKA, Chinese) (**2012-Still**)
- Geotechnical Laboratory Tests, such as: Grain size analysis (Sieve and Hydrometer), Specific Gravity, Liquid Limit & Plastic Limit, Shrinkage Limit, Direct Shear, Unconfined Compression, Maximum and Minimum Dry Density, Standard and Modified Proctor, CBR, Permeability, etc.
- Field work in: 1) **Rampal power plant**, Bagerhat, 2) **Aftab Nagar Power Plant**, Dhaka and 3) **Rupoor Nuclear Power**: Soil Improvement by Deep mixing method (worked for three months)
- **Short-Term Student Exchange Program at Saitama University in Japan**. Scholarship by Japan Student Services Organization (JSSC), From: 6<sup>th</sup> to 17<sup>th</sup> January 2015.
- **Research assistant**: under “*Introduction of Quality Test Protocols for Road and Market Rehabilitation*” sub-project of Coastal Climate Resilient Infrastructure Project (CCRIP) which is funded by **World Bank**. (**2014-Still**).

## Member

- The Institution of Engineering, Bangladesh (IEB) **MIEB: 32904**
- Bangladesh Society for Geotechnical Engineering (BSGE)
- International Association for Bridge and Structural Engineering (IABSE)

## References

### Dr. Md. Jahangir Alam

Professor  
Department of Civil Engineering  
Bangladesh University of Engineering  
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Mobile: +880171317653

### Dr. Mehedi Ahmed Ansary

Professor  
Department of Civil Engineering  
Bangladesh University of Engineering  
and Technology (BUET), Dhaka-1000,  
Bangladesh.  
e-mail: ansary@ce.buet.ac.bd  
Mobile: +8801711343288



## Journal Paper

### *Published:*

- 1) **M. E. Karim** and M. J. Alam, (2013). "Effect of Non-Plastic Silt Content on Liquefaction Behavior of Sand-Silt Mixture.", *Soil Dynamic and Earthquake Engineering, Elsevier*, Vol. 65, p.145-150.
- 2) **M. E. Karim** and M. J. Alam, (2016). " Undrained Monotonic and Cyclic Response of Sand-Silt Mixtures." *International Journal of Geotechnical Engineering, Taylor & Francis Group, Vol. 10 No.3 p.223-235.*
- 3) **M. E. Karim** and M. J. Alam, "Effect of Nonplastic Silt Content on Undrained Shear Strength of Sand-Silt Mixtures", *International Journal of Geo-Engineering, Springer. p.1-26.*
- 4) **M. E. Karim** and M. J. Alam, M. S. Hoque, "Effect of salt water in sand, lime and fly ash mixtures", *International Journal of Geo-Engineering, Springer.*

## Conference

- 1) H. M. Mominul, M. J. Alam, M. A. Ansary and **M. E. Karim**, (2013). "Dynamic Properties and Liquefaction Potential of a Sandy Soil Containing Silt." *18<sup>th</sup> International Conference on Soil Mechanics and Geotechnical Engineering, Paris 2013.*
- 2) **M. E. Karim** and M. J. Alam, (2013). "Response of Sand-Silt Mixture Under Cyclic and Undrained Monotonic Loading." *8th CUTSE International Conference, Curtin University Sarawak, Malaysia.*
- 3) **M. E. Karim** and M. J. Alam (2014). "Cyclic and Monotonic Response of Padma Sand and Silt." *2nd International Conference on Civil Engineering for Sustainable Development (ICCESD-2014), 14~16 February 2014, KUET, Khulna, Bangladesh.*
- 4) **M. E. Karim** and M. J. Alam (2015) "Equivalent granular void ratio concept for sand-silt mixtures" *International Association for Bridge and Structural Engineering -JSCE Joint Conference on Advances in Bridge Engineering-III, August 21-22, 2015, Dhaka, Bangladesh. p. 248-257.*
- 5) **M. E. Karim**, M. J. Alam and M. S. Hoque (2015), "*Effect of Salt Water in Sand, Lime And Fly Ash Mixture*", *CICM 2015, First International Conference on Advances in Civil Infrastructure and Construction Materials MIST, Dhaka, Bangladesh, 14–15 December 2015. p. 746-757.*
- 6) **M. E. Karim** and M. J. Alam (2015), "Behavior of Padma Sand-Silt Mixtures Under Cyclic and Static Loading", *CICM 2015, First International Conference on Advances in Civil Infrastructure and Construction Materials MIST, Dhaka, Bangladesh, 14–15 December 2015. p. 758-766.*