



ENGR. MOHAMMAD RAIHAN MUKHLIS

Assistant Professor (Research)
Institute of Earthquake Engineering Research (IEER)
Chittagong University of Engineering & Technology
Cell Number : +8801717298161
E-mail: raihan.ieer@cuet.ac.bd
raihan.ce@live.com
Date: 01.03.2021

EDUCATIONAL QUALIFICATION

2019 - Present	PhD in Civil Engineering (Pursuing) Chittagong University of Engineering and Technology (CUET) Bangladesh
2019	Master of Science in Disaster and Environmental Engineering Chittagong University of Engineering and Technology (CUET) Bangladesh CGPA : 3.48 out of 4.00
2012	Bachelor of Science in Civil and Environmental Engineering Chittagong University of Engineering and Technology (CUET) Bangladesh CGPA : 3.62 out of 4.00
2007	Higher Secondary Certificate (H.S.C) Chittagong Board Bangladesh CGPA : 5.00 out of 5.00
2005	Secondary School Certificate (S.S.C) Chittagong Board Bangladesh CGPA : 5.00 out of 5.00

TEACHING EXPERIENCE

March, 2017 - Present	Assistant Professor (Research)	Institute of Earthquake Engineering Research (IEER) CUET, Chittagong.
December, 2015 - March, 2017	Lecturer (Research)	Institute of Earthquake Engineering Research (IEER) CUET, Chittagong.
January, 2014 - November, 2015	Lecturer	Dept. of Civil Engg. Southern University Bangladesh Chittagong.

RESEARCH INTEREST

- ↪ Earthquake Engineering
- ↪ Bridge Engineering
- ↪ Structural Dynamics
- ↪ Soil-Structure Interaction
- ↪ Local Site Effects

PUBLICATIONS

JOURNAL PAPERS

1. Hoque, M. A., **Mukhlis, M. R.** & Bhuiyan, M. A. R. (2021) "Seismic Response of Multi-span Continuous Irregular Bridges using Displacement-based and Conventional Force-based Methods" *International Journal of Civil Engineering*. <https://doi.org/10.1007/s40999-021-00600-4>
2. **Mukhlis, M. R.**, & Bhuiyan, M. A. R. (2019) "Effect of Site Amplification on Seismic Safety Evaluation of Flyover Pier" *Proceedings of International Structural Engineering and Construction*, 6(1), May 2019, ISSN: 2644-108X, ISBN: 978-0-9960437-6-2, pp: STR-63-1 to STR-63-6.
3. **Mukhlis, M. R.** & Bhuiyan, M. A. R. (2017) "Lateral Strength and Safety Evaluation of Piers of Kadamtali Flyover in Chittagong, Bangladesh" *International Journal of Advanced Structures and Geotechnical Engineering*, 6(2), April 2017, pp 45-56
4. **Mukhlis, M. R.**, Hoque, M. R. & Alam, M. T. (2017) "Influence of Recycled Aggregate and Salt Environment on Concrete Compressive Strength" *International Journal of Advanced Structures and Geotechnical Engineering*, 6(1), January 2017, pp 27-31

CONFERENCE PAPERS

1. Hossain, Z., **Mukhlis, M. R.**, Bhuiyan, M. A. R. & Alam, M. R. (2020) "Seismic Safety Assessment of Flyover Piers in Chattogram City" *Proceedings of the IABSE-JSCE Joint Conference on Advances in Bridge Engineering-IV*, August 26-27, 2020, Dhaka, Bangladesh, pp: 123-132.
2. **Mukhlis, M. R.** & Bhuiyan, M. A. R. (2018) "Effect of SSI on Seismic Response of Flyover: A Case Study" *Proceedings of the 4th International Conference on Advances in Civil Engineering*, December 19-21, 2018, CUET, Chittagong, Bangladesh, pp: 624-629.
3. Hoque, M. A., **Mukhlis, M. R.**, & Bhuiyan, M. A. R. (2018) "Comparison of Force-Based Design and Displacement-Based Design Methods for Seismic Response of Multispan Bridges" *Proceedings of the 4th International Conference on Advances in Civil Engineering*, December 19-21, 2018, CUET, Chittagong, Bangladesh, pp: 630-635.

4. Roy, E., Ghose, P., **Mukhlis, M. R.**, & Bhuiyan, M. A. R. (2018) "Performance Evaluation of Shape Memory Alloy in Seismic Retrofitting of RC Building" *Proceedings of the 4th International Conference on Advances in Civil Engineering*, December 19-21, 2018, CUET, Chittagong, Bangladesh, pp: 636-641.
5. Bhowmick, S., Alam, M. J., **Mukhlis, M. R.**, & Bhuiyan, M. A. R. (2018) "Experimental and Numerical Investigation on Flexural Behavior of High Strength Reinforced Concrete Beam" *Proceedings of the 4th International Conference on Advances in Civil Engineering*, December 19-21, 2018, CUET, Chittagong, Bangladesh, pp: 642-647.
6. **Mukhlis, M. R.**, Tangina, S. A., Mostazid M. I. & Hoque, M. R. (2016) "Seismic Vulnerability Assessment of Existing Buildings in Chittagong City: A Case Study on Rampur Ward" *Proceedings of the 3rd International Conference on Advances in Civil Engineering*, December 21-23, 2016, CUET, Chittagong, Bangladesh, pp: 331-336.
7. Alam, M. R., **Mukhlis, M. R.**, Rahman M. F. & Shaheduzzaman M. (2016) "Fracture Toughness Determination of Plain Cement Concrete Using Brick Aggregate in Marine Water" *Proceedings of the 3rd International Conference on Advances in Civil Engineering*, December 21-23, 2016, CUET, Chittagong, Bangladesh, pp: 498-503.
8. Mostazid, M. I., Hoque, M. M., Hasan, M. A. & **Mukhlis, M. R.** (2016) "Microstructural Analysis of Blended Cement Concrete in Marine Environment" *Proceedings of the 3rd International Conference on Civil Engineering for Sustainable Development*, February 12-14, 2016, KUET, Khulna, Bangladesh, pp 784-789.
9. **Mukhlis, M. R.**, Hoque, M. R. & Alam, M. T. (2014) "An Experimental Study on Influence of Recycled Aggregates on Concrete Compressive Strength in Marine Environment" *Proceedings of the 2nd International Conference on Advances in Civil Engineering*, December 26-28, 2014, CUET, Chittagong, Bangladesh, pp 367-373.