



**Md. Hamidul Islam**  
Assistant Professor

**Research Area** Jul 2021 - Jun 2022 Jul 2019 - Jun 2020  
Research Interests:

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## Biography

Welcome to my personal website! Thanks for visiting, and please come back, because i update this page frequently. This website reflects my life-long work and directs you to more resources if you are interested in pursuing the in the basic engineering education mainly building/civil engineering. Here, you will also find more personal information about my experience in trying to stimulate discussion and enlighten individuals.

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## Education

### PhD (Structural Engineering) Scholar

RMIT University, Australia (November, 2022 to Present)-)

### M.Sc. Eng. (Structural Engineering)

Khulna University of Engineering & Technology (KUET), Khulna-9203, Bangladesh(2015-2018)

**Thesis Title:** [Mechanical and Microscopic Investigation of Concrete Incorporating Waste Ceramic Powder as Partial Replacement of Binding Material](#)

### B.Sc. in Civil Engineering

Khulna University of Engineering & Technology (KUET), Khulna-9203, Bangladesh(2008-2012)

Study on Ceramic Block Solar Desalination Unit (CBSDU)

### HSC (Higher Secondary Certificate)

BAF Shaheen College, Bangladesh(2007)

### SSC (Secondary School Certificate)

Arpara High School, Bangladesh(2005)

## Service Records

- **Project Director, UGC Funded Research Project, Bangladesh**  
**Department/Section:** Research & Extension  
**Khulna University of Engineering & Technology** From 01-01-1970 to 01-01-1970  
Working Area: Concrete Sustainability and Durability & Concrete Materials
- **Assistant Professor**  
**Khulna University of Engineering & Technology** From 01-01-1970 to 01-01-1970  
Working Area: Concrete Sustainability and Durability, Concrete Materials, Structural Behavior and Modeling, Recycling of Waste Materials in Concrete, Sustainable Development, Green Construction, Construction Safety and Risk Management.
- **Convener**  
**Study Tour Civil 07 Batch, KUET** From 01-01-1970 to 01-01-1970
- **Member of Hall Committee**  
**Amar Ekushey Hall, KUET** From 01-01-1970 to 01-01-1970
- **Vice President (V.P)**  
**Department of Civil Engineering, KUET** From 01-01-1970 to 01-01-1970
- **Lecturer**  
**Department/Section:** Building Engineering and Construction Management  
**Khulna University of Engineering & Technology (KUET)** From 01-01-1970 to 01-01-1970  
Working Area: Structural and Materials Engineering  
Responsibility: Teaching, Research & Administrative
- **Lecturer**  
**Department/Section:** Disaster Resilience and Engineering  
**Patuakhali Science and Technology University** From 01-01-1970 to 01-01-1970  
Working Area: Structural & Environmental Engineering

## Research Interest

### Jul 2021 - Jun 2022

Project Director, University Grants Commission (UGC) Funded Research Project, Bangladesh

Title: Investigation of Chemical and Mechanical Properties of Concrete Incorporating Banana Leaf Ash as Partial Replacement of Cement

### Jul 2019 - Jun 2020

Project Director, University Grants Commission (UGC) Funded Research Project, Bangladesh

Title: Mechanical Properties and Sulfate Durability of Portland-Limestone Cement Concrete Incorporating Fly Ash and Slags: Effects of W/C Ratio and Curing Regime

## Research Interests:

Concrete Materials, Concrete Sustainability and Durability, Structural Behavior and Modeling, Recycling Materials in Concrete  
Green Construction, Construction Safety and Risk Management  
Disaster Resilience and Engineering

## Publication

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### Books

1. (2013) , **Savar Building Collapse is a Man Made Disaster** ,Ovijoon Buletine Faculty of Disaster Management, PSTU, vol01
2. (July, 2012) , **Study on Ceramic Block Solar Deasination Unit** ,Department of Civil Engineering

### Journals

11. Mim,N. J. , Meraz,M. M. , Islam,M. H. , Farsangi,E. N. , Mehedi,M. T. and Shrestha,S. A. K. A. a. R. K. (2022.) , " Eco-friendly and cost-effective self-compacting concrete using waste banana leaf ash," **Journal of Building Engineering**, Elsevier Ltd., vol64, no.1, pp.1-21
10. Islam,M. H. and Mamun,M. A. S. a. A. A. (17 May 2022.) , " Building performance analysis for optimizing the energy consumption of an educational building," **International Journal of Building Pathology and Adaptation**, Emerald Publishing Limited
9. Ahmed,S. ,Hoque,M. I. and Hossain,M. H. I. a. M. (2018.) , " A Reality Check of Status Level of Worker against Skilled Worker Parameters for Bangladeshi Construction Industry," **Journal of Civil Engineering and Construction**, Tech Reviews Ltd., volvol. 07, no.issue 03, pp.pp. 132-14
8. Ahmed,S. ,Islam,H. and Hossian,I. H. a. M. (2018.) , " Reality Check Against Skilled Worker Parameters and Parameters Failure Effect on the Construction Industry for Bangladesh," **International Journal of Construction Management**, Taylor & Francis
7. Safayet,M. A. and Ahmed,M. H. I. a. S. (2018.) , " A Case Study on Risk Management in Existing Construction Project in Bangladesh," **Journal of Logistics, Informatics and Service Science**, ISSN 2409-2665, volVol. 5 (2018) No. 1, pp.1-16
5. Islam,M. H. and Islam,Q. H. B. a. M. S. (2016.) , " Production rate and cost comparison of ceramic block solar desalination unit (CBSDU) with basin type solar still (BSS)," **International Journal of Advanced Geosciences**, Science Publishing Corporation Publisher of International Academic Journals, vol4, no.2, pp.72-75
5. Jamal,M. S. and Islam,M. M. I. a. M. H. (2018.) , " Some Observations And Lessons Learned Cyclone "Mora" And "Landslide Of Chittagong" , Bangladesh" , **BAUET Journal**, Bangladesh Army University of Engineering & Technology (BAUET), vol01, no.01, pp.63~70
3. Islam\*,M. H. and Mahmood,M. F. a. K. A. (2015.) , " Environmental Impact Assessment of Boga Bridge Patukhali," **Environmental Science and Natural Resources**, J. Environ. Sci. & Natural Resources, vol8(1), pp.73-77
2. ISLAM,M. H. ,RANI,C. and JAHAN,R. (October 2014.) , " Study on environmental management plan (EMP) of proposed leather industry in Lebukhali, Patuakhali," **International Journal of Renewable Energy and Environmental Engineering**, BRCORP, vol02, No. 04, no.ISSN 2348-0157, pp.279-287
1. Islam,M. H. and Yeasmin,M. S. I. a. T. (July-2014.) , " Environmental Impact Assessment on Kalishuri to Surjomoni Union Road Construction Project at Bauphal, Patuakhali," **Internation Journal of Renewable Energy and Environmental Engineering**, BRCORP, vol02, no.ISSN 2348-0157, pp.209-217

### Conference

24. Islam,M. H. and Islam,M. M. H. a. M. N. (7~9 February 2020.) , "MEASUREMENT OF DEGREE OF SAFETY IMPLEMENTATION AT VARIOUS CONSTRUCTION SITES IN A DEVELOPING COUNTRY LIKE BANGLADESH," **Proceedings of the 5th International Conference on Civil Engineering for Sustainable Development (ICCESD 2020)** , Department of Civil Engineering, Khulna University of Engineering & Technology (KUET), pp.4716-1~8
23. Rana,M. M. ,Saifullah,I. and Sakib,M. H. I. & T. (2018.) , "PERFORMANCE OF REINFORCED CONCRETE SHORT COLUMNS INCORPORATING CERAMIC WASTE POWDER," **4th International Conference on Advances in Civil Engineering (ICACE)** , Department of Civil Engineering, CUET, pp.664-669
23. (7~9 February 2020.) , "CRISIS MANAGEMENT IN THE CONSTRUCTION INDUSTRY OF JASHORE CITY IN BANGLADESH," **Proceedings of the 5th International Conference on Civil Engineering for Sustainable Development (ICCESD 2020)** , Department of Civil Engineering, Khulna University of Engineering & Technology (KUET), pp.5088-1~9
22. Islam,M. H. and Saifullah,Z. H. a. I. (25-27 February, 2017.) , "USED CERAMIC WASTE AND LIGHTWEIGHT PRECAST SYSTEM IN BUILDING: A WASTE REDUCTION APPROACH," **Proceeding of the WasteSafe 2017 - 5th International Conference on Solid Waste Management in South Asian Countries** , WasteSafe 2017, pp.48-54
21. (23 December, 2016.) , "Ceramic Wastes for Manufacturing Sustainable Concrete," **Builtech Fest 2016** , Department of Building Engineering and Construction Management, KUET and Institute of Civil Engineers (ICE), UK (Bangladesh Center), pp.21-22
20. Karim,M. R. and Morshed,M. H. I. a. S. Y. (12~14 February 2016.) , "INFLUENCE OF SALT EFFLORESCENCE ON RENDERING MORTAR OF BRICK MASONRY WALLS," **3rd International Conference on Civil Engineering for Sustainable Development (ICCESD 2016)** , Department of Civil Engineering, KUET (ISBN: 978-984-34-0265-3), pp.899-905
19. Adhikary,P. , Islam,M. H. , Muna,S. H. and Emon,M. S. a. M. (12~14 February 2016.) , "SOLID WASTE MANAGEMENT SYSTEM AT PSTU CAMPUS," **3rd International Conference on Civil Engineering for Sustainable Development (ICCESD 2016)** , Department of Civil Engineering, KUET (ISBN: 978-984-34-0265-3), pp.407-412
18. Islam,M. M. and Shahin,M. H. I. a. M. (12~14 February 2016.) , "COMMUNITIES STRENGTH AND WEAKNESS FOR RESPONDING CYCLONE AND FREQUENTLY FLOOD ON SOUTHERN PART OF BANGLADESH," **3rd International Conference on Civil Engineering for Sustainable Development (ICCESD 2016)** , Department of Civil Engineering, KUET (ISBN: 978-984-34-0265-3), pp.413-422
17. Islam,M. H. and Karim,S. Y. M. a. M. R. (11-13 December, 2015.) , "Construction Safety Practice in Bangladesh: A Case Study in KUET, Mirerdanga and Teliganti Union," **International Conference on Recent Innovation in Civil Engineering for Sustainable Development (IICSD-2015)** , Department of Civil Engineering, DUET, Gazipur, Bangladesh, pp.134-138
16. Islam,M. H. and Islam,Q. H. B. a. M. S. (11-13 December, 2015.) , "Study on Ceramic Block Solar Desalination Unit (CBSDU)," **International Conference on Recent Innovation in Civil Engineering for Sustainable Development (IICSD-2015)** , Department of Civil Engineering, DUET, Gazipur, Bangladesh, pp.128-133
15. Islam,M. H. , Hasan,M. M. , Khanam,R. and Islam,M. I. a. M. S. (15-17 February 2015.) , "Study on Social and Environmental Impacts of Steering and Non Steering Vehicles (TOMTOMS) in Amtali Upazila, Barguna, Bangladsh," **Proceedings of the Waste Safe 2015"4th International Conference on Solid Waste Management in the Developing Countries** , ISBN: 978-984-33-8695-3, PI.137 (1-7), pp.1-7

15. Jamal, M. S., Islam, M. H. and Ahmed, A. H. a. S. (2018.), "Prospects of Green Building in Bangladesh: A Case Study on Large Garments Factory in Bangladesh," **International Conference on Green Architecture (ICGrA 2018)**, Department of Architecture (DoA), Bangladesh University of Engineering and Technology (BUET), pp.101~105
14. Islam, M. H., Naznin, R. A., Datta, N., Solayman, H. M. and Jitu, R. H. a. S. P. (15-17 February 2015.), "Study on Sanitation System at Muradia Union of Dumki Upazilla in Patuakhali District," **2nd International Conference on Advances in Civil Engineering**, ISBN: 978-984-33-8695-3, PI.105 (1-10), pp.1-10
13. Islam, M. S., Yeasmin, T. and Al-Amin, M. H. I. a. M. M. A. (15-17 February 2015.), "Assessing the Environmental Effects of Solid Waste in Barisal City of Bangladesh," **Proceedings of the Waste Safe 2015 4th International Conference on Solid Waste Management in the Developing Countries**, ISBN: 978-984-33-8695-3, PI.63 (1-10), pp.1-10
12. Islam, M. S., Yeasmin, T., Islam, M. H., Mir, M. S. and Rahman, I. H. a. M. T. (26-28 December, 2014.), "Prospect of Solar Energy as the Solution of Existing Power Crisis on Coastal Area of Bangladesh: A Study Focus on Rangabali Upazila," **2nd International Conference on Advances in Civil Engineering**, pp.784-791
11. Islam, M. S., Islam, M. H., Ahmed, F. and Nayeem, K. A. a. A. (26-28 December, 2014.), "Analyzing the Impact of Cyclone Mohasen on the Coastal Cordon of Bangladesh," **2nd International Conference on Advances in Civil Engineering**, pp.182-187
10. Islam, M. H., Hasan, M. M., Khanam, R. and Islam, M. S. I. & M. S. (26-28 December, 2014.), "Study on Social and Environmental Impact and Adaptation Techniques to Flood in Patharghata Upazilla, Barguna, Bangladesh," **2nd International Conference on Advances in Civil Engineering**, pp.973-980
9. Islam, M. H., Adhikary, P., Muna, S. H., Siddiqua, A. and Ahmed, S. R. K. a. M. S. (26-28 December, 2014.), "Study on Solid Waste Recycling and Reuse in Barisal City," **2nd International Conference on Advances in Civil Engineering**, pp.226-231
8. Islam, M. H. and Yeasmin, M. S. I. a. T. (14~16 February, 2014.), "Environmental Impact Assessment on Kalishuri to Surjomoni Union Road Construction Project at Bauphal, Patuakhali," **2nd International Conference on Civil Engineering for Sustainable Development (ICCESD-2014)**, ISBN: 978-984-33-6373-2, pp.70-81
7. Islam, M. H., Katha, S. R., Ahmed, M. S., Adhikary, P. and Siddiqua, S. H. M. a. A. (26-28 December, 2014.), "Study on Hazardous Waste in Barisal City," **2nd International Conference on Advances in Civil Engineering**, pp.167-170
5. Islam, M. H. and Jahan, C. R. a. R. (14~16 February, 2014.), "Study on Environmental Management Plan (EMP) of Proposed Leather Industry in Lebukhali, Patuakhali," **2nd International Conference on Civil Engineering for Sustainable Development (ICCESD-2014)**, ISBN: 978-984-33-6373-2, pp.82-92
3. Islam, M. H., Islam, M. S. and TaniaYeasmin, S. H. a. (26-28 December, 2014.), "Environmental Management Plan on Proposed Kalishuri to Surjomoni Union Road Construction Project at Bauphal, Patuakhali, Bangladesh," **2nd International Conference on Advances in Civil Engineering**, pp.13-19