

Curriculum Vitae

(As on 15th September, 2024)

Dr. Md. Moinul Islam

Professor (**Grade-1**)

Department of Civil Engineering

Chittagong University of Engineering & Technology (CUET)

Chittagong-4349, Bangladesh.

E-mail: mislam@cuet.ac.bd, moinul91@yahoo.com,

Web: <https://www.cuet.ac.bd/members/443>



1. Educational Background :

Examination Passed	Name of Institution	Year of Passing	Board / University	Division/ CGPA	Remarks
S. S. C.	Jashore Zilla School	1989	Jashore	First	Star Mark
H. S. C.	Cantonment College, Jashore	1991	Jashore	First	Star Mark
B. Sc. Eng. (Civil)	Chittagong University of Engineering and Technology	1998	CUET	3.75	1st Position with Honors (Gold Medal)
M. Sc. Eng. (Civil)	Chittagong University of Engineering and Technology	2007	CUET	3.98	Honors Marks
Ph. D. (Civil)	Chittagong University of Engineering and Technology	2014	CUET	3.84	Honors Marks

2. Award / Scholarship :

- (i) Gold Medal from Chittagong University of Engineering & Technology, Chittagong in the year 1998 for highest CGPA among all the students of session 1991-92.
- (ii) National Science and Information, Communication and Technology Fellowship for Ph.D. research work funded by Bangladesh Government (2009).
- (iii) Board scholarship on the basis of Higher Secondary Certificate examination result (1991).
- (iv) Board scholarship on the basis of Secondary School Certificate examination result (1989).
- (v) Junior School Scholarship (1986).
- (vi) Primary School Scholarship (1983).

3. Teaching Experience :

	University	Designation	Period
(i)	Chittagong University of Engineering and Technology	Lecturer	07/06/1999 to 26/04/2003
(ii)	Chittagong University of Engineering and Technology	Assistant Professor	27/04/2003 to 07/01/2012
(iii)	Chittagong University of Engineering and Technology	Associate Professor	08/01/2012 to 15/09/2014
(iv)	Chittagong University of Engineering and Technology	Professor	16/09/2014 to till now
	Total Period :		25 years and 2 months

4. Administrative Responsibilities :

- (i) **Vice-Chancellor (Acting) of Chittagong University of Engineering and Technology from 25th May, 2023 to 2nd June, 2023.**
- (ii) **Vice-Chancellor (In-charge) of Chittagong University of Engineering and Technology from October 2019 to August, 2023, total tenure (at different time) more than 2 months.**
- (iii) Director, Institute of Earthquake Engineering and Research, Chittagong University of Engineering and Technology from 19th August, 2023 to till date.
- (iv) Dean, Faculty of Architecture and Planning, Chittagong University of Engineering and Technology from 31st October, 2019 to 18th August, 2021.
- (v) Dean, Faculty of Civil Engineering, Chittagong University of Engineering and Technology from 19th August, 2021 to 18th August, 2023.
- (vi) Syndicate Member of Chittagong University of Engineering and Technology and total tenure at different time more than 03 years.
- (vii) Chairman, Central Admission Committee (Session: 2020-2021), Combined Admission Test of CUET, KUET and RUET
- (viii) Member, Central Admission Committee (Session: 2021-22 and 2022-2023), Combined Admission Test of CUET, KUET and RUET
- (ix) Chairman, Local Admission Committee (Session: 2020-2021, 2021-22 and 2022-23), Chittagong University of Engineering and Technology

- (x) Academic Council Member of Chittagong University of Engineering and Technology from 2012 to till date.
- (xi) External Expert Member of Selection Board for Professor and Associate Professor, Pabna University of Science and Technology from 2020 to till date.
- (xii) External Expert Member of Selection Board for Assistant Professor and Lecturer, Pabna University of Science and Technology from 2020 to till date.
- (xiii) External Expert Member of Selection Board for Assistant Professor and Lecturer, Hajee Mohammad Danesh Science & Technology University from 2022 to till date.
- (xiv) External Expert Member of Selection Board for Professor and Associate Professor, Khulna University of Science and Technology from 2022 to till date.
- (xv) Member Secretary, Pandel and stage management sub-committee, Convocation-2008, 2012, 2016, 2019 and 2023 of Chittagong University of Engineering and Tehnology
- (xvi) Member, Steering Committee, Golden Jubilee Celebration Committee 2018 of Chittagong University of Engineering and Technology
- (xvii) External Member of Academic Council, Bangabandhu Sheikh Mujibur Rahman Maritime University, Bangladesh from 2019 to 2023.
- (xviii) Member, Selection Board (Staff), Chittagong University of Engineering and Technology from 2018 to 2023.
- (xix) Head, Department of Disaster Engineering and Management, Chittagong University of Engineering and Technology from 26th August, 2019 to 14th July, 2020.
- (xx) Head, Department of Civil Engineering, Chittagong University of Engineering and Technology from 17th August, 2017 to 16th August, 2018.
- (xxi) Head, Department of Urban and Regional Planning, Chittagong University of Engineering and Technology from 1st June, 2016 to 16th August, 2017.
- (xxii) Head, Department of Architecture, Chittagong University of Engineering and Technology from 18th August, 2013 to 30th November, 2015.
- (xxiii) Deputy Director, Directorate of Student Welfare, Chittagong University of Engineering and Technology from 14th August, 2012 to 21st May, 2016.
- (xxiv) Assistant Provost, Bangabandhu Hall, Chittagong University of Engineering and Technology from 9th July, 2008 to 13th August, 2012.
- (xxv) Assistant Provost, Shahid Tareq Huda Hall, Chittagong University of Engineering and Technology from 1st August, 2002 to 8th July, 2008.

5. Research Areas / Fields :

- (i) Blended Cement, Durability of Concrete in Marine Environment, Performance of Fly Ash and Slag Blended Concrete, Corrosion of Reinforcement in Aggressive Environment, Mix Design of Blended Cement Concrete.
- (ii) Assessment of damage caused due to corrosion of embedded reinforcement in concrete structures and rehabilitation of the damaged structures.
- (iii) Suitability and Effectiveness of different ingredient materials, admixture / paint / coatings for concrete / embedded rebars exposed to adverse environment.
- (iv) Non-destructive test (NDT) techniques for predicting service life of existing structures.

6. Thesis/Project Supervision at PG Level :

- (i) **S. M. Shahariar Newaz** (2020),“Strength Characteristics of Concrete Replacing Fine Aggregate by Molten Iron Slag”, M. Engg. Thesis, Civil Engineering Department, Chittagong University of Engineering & Technology, Chittagong.
- (ii) **Tania Nasrin** (2020),“Strength Characteristics of Concrete by using Molten Material as Partial Replacement of Coarse Aggregate”, M. Engg. Thesis, Civil Engineering Department, Chittagong University of Engineering & Technology, Chittagong.
- (iii) **Sudipto Nath Priyom** (2021),“The Strength Characteristics of Microbial Concrete using Different Bacteria Genera”, M. Engg. Thesis, Civil Engineering Department, Chittagong University of Engineering & Technology, Chittagong.
- (iv) **Sanjida Afrin** (2021),“A Study on Sulphate Resistance of Slag Blended Cement Concrete”, M. Engg. Thesis, Civil Engineering Department, Chittagong University of Engineering & Technology, Chittagong.
- (v) **Md. Imran Hossain** (2023),“Performance Evaluation of NDTs in Predicting Compressive Strength of Concrete”, M. Engg. Thesis, Civil Engineering Department, Chittagong University of Engineering & Technology, Chittagong.
- (vi) **Md. Iftekhar Ahmed** (2024),“Flexural Strength Behavior of Steel Fiber Reinforced Concrete Beam”, M. Engg. Thesis, Civil Engineering Department, Chittagong University of Engineering & Technology, Chittagong.

7. Examiner of PG thesis:

- (i) **Md. Abul Hassan** (2020), “A Study on the Use of Rice Husk Ash (RHA) as Partial Replacement of Cement in Concrete”, M. Engg. Thesis, Civil Engineering Department, Chittagong University of Engineering & Technology, Chittagong.
- (ii) **Sabrina Islam** (2020), “An Experimental Study on the Behavior of Slag Blended Concrete in Acidic Environment”, M. Engg. Thesis, Civil Engineering Department, Chittagong University of Engineering & Technology, Chittagong.
- (iii) **S. M. Moshi-Ul-Anis** (2021), “Safety Management Scenario in Building Construction Sites of Bangladesh: A Case Study of Dhaka City”, MSc Engineering Thesis, Department of Civil & Environmental Engineering, Shahjalal University of Science and Technology, Sylhet.
- (iv) **Zinat Hossain** (2021), “Seismic Safety Assessment Of Lalkhan Bazar-Muradpur Flyover”, M. Engg. Thesis, The Institute of Earthquake Engineering Research, Chittagong University of Engineering & Technology, Chittagong.
- (v) **Md. Mamun Hossain** (2021), “Eco-Friendly use of Waste Pumice in Mortar and Concrete”, M.Sc. Thesis, Civil Engineering Department, Chittagong University of Engineering & Technology, Chittagong.
- (vi) **Nusrat Jaha** (2022), “Ionizing Radiation Protection Efficiency of Common Mortar and Concrete used for Infrastructure Construction in Bangladesh”, M. Engg. Thesis, Civil Engineering Department, Chittagong University of Engineering & Technology, Chittagong.
- (vii) **Muhammad Tanveer Raihan** (2023), “Properties of Roller Compacted Concrete (RCC) using Steel Slag (SS) Aggregate”, M. Engg. Thesis, Civil Engineering Department, Chittagong University of Engineering & Technology, Chittagong.
- (viii) **Shohel Rana** (2023), “Performance Based Seismic Design of Reinforced Concrete Building Frames”, M. Engg. Thesis, Institute of Earthquake Engineering Research, Chittagong University of Engineering & Technology, Chittagong.

8. Research Topic at UG and PG Level :

- (i) **B.Sc. Engg. Program:** A Theoretical Study on Geotextile and its Application
Supervised by: Associate Prof. Sultan Mohammad Farooq
Chittagong University of Engineering & Technology, Chittagong.
- (ii) **M.Sc. Engg. Program:** Behavior of Slag Concrete in Marine Environment
Supervised by: Prof. Dr. Md. Saiful Islam
Chittagong University of Engineering & Technology, Chittagong.
- (iii) **PhD Program:** Durability of Reinforced Blended Cement Concrete in Marine Environment
Supervised by: Prof. Dr. Md. Saiful Islam
Chittagong University of Engineering & Technology, Chittagong.

9. Professional Affiliation :

- (i) Fellow, Institution of Engineers, Bangladesh (IEB). F/10407.
- (ii) Active member of Bureau of Research, Testing and Consultancy (BRTC, Civil),
Chittagong University of Engineering and Technology.

10. Personal Information :

Name : Md. Moinul Islam
Father's Name : Md. Hafizul Islam
Mother's Name : Portia Islam
Present Address : **House no:** Tha 1/5, Residential Area,
Chittagong University of Engineering & Technology (CUET),
Chattogram-4349, Bangladesh.
Permanent Address : Hazi Mansion, Robindra Nath Road, **Post Office:** Jashore,
Post Code: 7400, **Police Station:** Kotowali, **District:** Jashore.
Date of Birth : 12-06-1974
Mobile No : 01713109966
e-mail : mislam@cuet.ac.bd
Nationality : Bangladeshi

11. Major Research Publications :

(i)	National and International Journal Paper	27
(ii)	National and International Conference Paper	52
(iii)	Book Chapter	1

(i) JOURNAL PAPER

1. Md. Saiful Islam, S. K. Kaushik and **Md. Moinul Islam**, “Physical & Mechanical Behavior of Concrete in Sea Water under Large Hydrostatic Pressure,” *Journal of the Institution of Engineers, Malaysia*, Vol.26, No.2, June-2005, pp. 46-52.
2. **Md. Moinul Islam**, Md. A.R Bhuiyan and Md. M. Rashid, “Strength Behavior of Mortar Using Ground Granulated Blast Furnace Slag in Plain Water,” *Journal of Civil and Earthquake Engineering, CUET*, Vol.JCEE.01, No.1, June-2007, pp. 66-74.
3. **Md. Moinul Islam**, Mohammad T. Alam, Gourab K. Basak and Mostofa Kamal, “Improvement of Chloride Ion Penetration Resistance of Concrete by Using Slag and Fly Ash,” *Journal of Civil and Earthquake Engineering, CUET*, Vol.JCEE.02, No.1, July-2009, pp. 38-55.
4. **Md. Moinul Islam**, Md. Saiful Islam, Bipul C. Mondal and Amrita Das, “Strength Behavior of Mortar Using Slag with Cement in Sea Water Environment,” *Journal of Civil Engineering, IEB*, Vol.37, No.2, December-2009, pp. 111-122.
5. Md. Saiful Islam, **Md. Moinul Islam** and Bipul C. Mondal, “Effect of Freeze-Thaw Action on Physical and Mechanical Behavior of Marine Concrete,” *The Institution of Engineers, Malaysia*. Vol.71, No.1, March-2010, pp. 53-64.
6. Md. Saiful Islam, Bipul C. Mondal and **Md. Moinul Islam**, “Effect of Sea Salts on Structural Concrete in Tidal Environment,” *Australian Journal of Structural Engineering (AJSE)*, Vol.10, No.3, July-2010, pp. 237-252.
7. **Md. Moinul Islam** and Md. Saiful Islam, “Strength Behaviour of Mortar Using Fly Ash as Partial Replacement of Cement,” *Concrete Research Letter, Malaysia* Vol. 1, No.3, September-2010, pp. 98-106.
8. **Md. Moinul Islam**, Md. Saiful Islam, Bipul C. Mondal and Mohammad Rafiqul Islam, “Strength Behavior of Concrete Using Slag with Cement in Sea Water Environment,” *Journal of Civil Engineering, IEB*, Vol.38, No.2, December-2010, pp. 129-140.
9. **Md. Moinul Islam**, Md. Saiful Islam, Md. Aftabur rahman and Amrita Das, “Strength Behavior of Mortar Using Slag as Partial Replacement of Cement,” *Galaxy (Dhaka), Journal of Military Institute of Science and Technology*, Vol.3, No.3, February-2011, pp. 71-79.

10. **Md. Moinul Islam**, Md. Saiful Islam, Md. Al-Amin and Md. Mydul Islam, "Suitability of sea water on curing and compressive strength of structural concrete," *Journal of Civil Engineering, IEB*, Vol.40, No.1, June-2012, pp. 37-45.
11. Md. Saiful Islam, **Md. Moinul Islam** and Bipul C. Mondal, "Deterioration of Concrete in Ambient Marine Environment," *International Journal of Engineering, Transactions-B*, Vol.25, No.4, November-2012, pp. 289-301.
12. **Md. Moinul Islam** and Md. Saiful Islam, "Prospect of Bangladeshi Fly Ash in Concreting Works," *Journal of Engineering Science*, Vol.3, No. 1, December 2012, pp. 59-67.
13. **Md. Moinul Islam** and Md. Saiful Islam, "Strength and durability characteristics of concrete made with fly ash blended cement," *Australian Journal of Structural Engineering*, Vol.14, No.3, November 2013, pp. 303-319.
14. **Md. Moinul Islam** and Md. Saiful Islam, "Effect of sea water on the performance of fly ash concrete under freezing-thawing cyclic action," *Journal of Civil Engineering, IEB*, Vol.41, No.2, December-2013, pp. 139-159.
15. **Md. Moinul Islam** and Md. Saiful Islam, "Utilization of natural resources for sustainable development: Role of Bangladeshi fly ash," *Journal of Civil Engineering, IEB*, Vol.42, No.1, June-2014, pp. 137-152.
16. **Md. Moinul Islam**, Md. Tarequl Alam, Farzana and Md. Saiful Islam, "Strength behavior of mortar made by using supplementary cementitious material as partial replacement of cement," *Journal of Civil Engineering, IEB*, Vol.45, No.1, June-2017, pp. 1-10.
17. **Md. Moinul Islam**, Md. Tarequl Alam and Md. Saiful Islam, "Effect of Fly Ash on Freeze-Thaw Durability of Concrete in Marine Environment," *Australian Journal of Structural Engineering*, Vol.19, No.2, March-2018, pp. 146-161.
18. **Md. Moinul Islam**, A. K. M. Arifuzzaman, Md. Tarequl Alam and Md. Saiful Islam, "Durability Characteristics of Fly ash Blended Concrete in Marine Environment," *Journal of Civil Engineering, IEB*, Vol.46, No.1, June-2018, pp. 53-68.
19. Nafisa Tabassum, Pranta Biswas, Md. Saiful Islam and **Md. Moinul Islam**, "A Study on the Compressive & Flexural Strength Behavior of Steel Fiber Reinforced Concrete Beam," *International Journal of Advanced Research (IJAR)*, Vol.6, No.8, August-2018, pp. 557-567.
20. Sudipto Nath Priyom, Md. Fahad Shahriar Zawad, Md. Asifur Rahman and **Md. Moinul Islam**, "Microstructure Analysis of Microbial Concrete: A Comparative Study," *DUET Journal*, Vol.6, Issue.1, December-2020, pp. 9-16.
21. Sudipto Nath Priyom, **Md. Moinul Islam** and Wahhida Sumi, "The Utilization of Bacillus Subtilis Bacteria to Improve the Mechanical Properties of Concrete," *Journal of the Civil Engineering Forum*, Vol.7, No.1, January 2021, pp. 97-108, DOI 10.22146/jcef.60216

22. Md. Mahfuzul Islam, Nusrat Hoque, **Md. Moinul Islam** and Imteaz Ibney Gias, “An Experimental Study on the Strength and Crack Healing Performance of E. coli Bacteria-Induced Microbial Concrete,” *Hindawi Advances in Civil Engineering Journal*, Vol.2022, Article ID 3060230, DOI 10.1155/2022/3060230
23. Sudipto Nath Priyom, Md. Fahad Shahriar Zawad, Md. Asifur Rahman, **Md. Moinul Islam**, “Application of Escherichia Coli. as A Smart Bio-Agent to Make Sustainable Future Generation Concrete,” *Malaysian Journal Of Civil Engineering*, Vol. 35, No.1, April 2023, pp. 17-27, DOI: <https://doi.org/10.11113/mjce.v35.19045>
24. Sudipto Nath Priyom, **Md. Moinul Islam**, G. M. Sadiqul Islam, Md. Saiful Islam, Md. Asifur Rahman, Md. Fahad Shahriar Zawad, Wahhida Shumi, “Efficacy of Bacillus Cereus Bacteria in Improving Concrete Properties through Bio-precipitation,” *Iranian Journal of Science and Technology*, 2023, Transactions of Civil Engineering, <https://doi.org/10.1007/s40996-023-01181-z>.
25. Md. Asifur Rahman, Md Fahad Shahriar Zawad, Sudipto Nath Priyom, **Md. Moinul Islam**, “Insight into the microstructural properties of bio-engineered concrete matrices and analysis by scanning electron microscopy,” *Asian Journal of Civil Engineering*, 2023, <https://doi.org/10.1007/s42107-023-00798-9>
26. Sudipto Nath Priyom, **Md. Moinul Islam**, Md. Saiful Islam, Md. Asifur Rahman, Md. Fahad Shahriar Zawad, Wahhida Shumi, “An Experimental Study of the Physio-Mechanical and Microstructural Performances of Escherichia Coli Bacteria Based Bio-Concrete,” *International Journal of Sustainable Construction Engineering and Technology*, 2023, Vol.14, No.4, pp.215-226.
27. Atique Ishrak Anik, **Md. Moinul Islam**, Md. Saiful Islam, “Suitability of using areca nut fiber as reinforcing material in compressed stabilized earth blocks (CSEB) for low-cost housing,” *Discover in Civil Engineering*, 2024, Vol.1, Article No.17, <https://doi.org/10.1007/s44290-024-00018-6>

(ii) **CONFERENCE/ SEMINAR/ SYMPOSIUM PAPERS**

1. **Md. Moinul Islam**, Md. Saiful Islam and Bipul C. Mondal, “Effect of Slag on Hydration Characteristics of Concrete in Marine Environment,” *National Conference on Materials Science & Technology for Sustainable Development Bangladesh Perspective*, 08 November 2009, Organized by Department of Physics, CUET.
2. **Md. Moinul Islam** and Md. Rafiqul Islam, “Strength Characteristics of Slag Blended Concrete in Marine Environment,” *2nd International Conference on Engineering Education for Sustainable Development, Bangladesh*, 19-20 December 2009, Organized by World University of Bangladesh.

3. **Md. Moinul Islam** and Md. Saiful Islam, “Chloride Penetration Resistance of Fly Ash Cement Mortar,” *Conference on Engineering Education, Research and Innovation*, 11-13th January, 2011, Organized By: The School of Applied Science, Shahjalal University of Science & Technology, Sylhet, Bangladesh.
4. **Md. Moinul Islam** and Md. Saiful Islam, “Effect of Fly Ash on Rapid Chloride Penetration and Strength of Concrete,” *International Conference on Environmental Technology and Construction Engineering for Sustainable Development*, 10-12th March, 2011, Organized By: Department of Civil And Environmental Engineering, Shahjalal University of Science & Technology, Sylhet, Bangladesh.
5. **Md. Moinul Islam** and Md. Saiful Islam, “Effect of Fly Ash on Water Permeability and Strength of Concrete,” *International Conference on Mechanical Engineering and Renewable Energy*, 22-24th December, 2011, Organized By: Department of Mechanical Engineering, Chittagong University of Engineering & Technology, Chittagong, Bangladesh.
6. **Md. Moinul Islam**, A. K. M Arifuzzaman, Mohammad Tarequl Alam and Md. Saiful Islam, “Effect of Fly Ash on Hydration Characteristics of Concrete in Sea Environment,” *International Conference on Mechanical Engineering and Renewable Energy*, 22-24th December, 2011, Organized By: Department of Mechanical Engineering, Chittagong University of Engineering & Technology, Chittagong, Bangladesh.
7. **Md. Moinul Islam**, Md. Rafiqul Islam, Amrita Das and Md. Saiful Islam, “The UPV Study of Slag Concrete in Saline Environment,” *International Conference on Mechanical Engineering and Renewable Energy*, 22-24th December, 2011, Organized By: Department of Mechanical Engineering, Chittagong University of Engineering & Technology, Chittagong, Bangladesh.
8. G. M. Sadiqul Islam, **Md. Moinul Islam**, Aysha Akter and Md. Saiful Islam, “Green Construction Material – Bangladesh Perspective,” *International Conference on Mechanical Engineering and Renewable Energy*, 22-24th December, 2011, Organized By: Department of Mechanical Engineering, Chittagong University of Engineering & Technology, Chittagong, Bangladesh.
9. **Md. Moinul Islam** and Md. Saiful Islam, “Prospect of Bangladeshi Fly Ash in Cement Production,” *1st International Conference on Civil Engineering for Sustainable Development* (ICCESD 2012), 24-25th March, 2012, Organized By: Department of Civil Engineering, Khulna University of Engineering & Technology, Khulna, Bangladesh.

10. **Md. Moinul Islam** and Md. Saiful Islam, “Effect of Cement Replacement with Class F Fly Ash on Strength and Water Permeability of Concrete,” *3rd International Conference on Environmental Aspects of Bangladesh, 2012*, 13-14th October, 2012, Organized By: Bangladesh Environmental Network Japan, University of Kitakyushu, Fukuoka, **Japan**.
11. **Md. Moinul Islam** and Md. Saiful Islam, “Prospect of Green Concrete Production by using Boropukuria Fly Ash,” *1st International Conference on Advances in Civil Engineering (ICACE-2012)*, 12-14th December, 2012, Organized By: Department of Civil Engineering, Chittagong University of Engineering & Technology, Chittagong, Bangladesh.
12. Md. A. Hasan, **Md. Moinul Islam**, Md. H. Kabir and Md. Saiful Islam, “Strength Behavior of Mortar Using Slag as Partial Replacement of Sand,” *1st International Conference on Advances in Civil Engineering (ICACE-2012)*, 12-14th December, 2012, Organized By: Department of Civil Engineering, Chittagong University of Engineering & Technology, Chittagong, Bangladesh.
13. **Md. Moinul Islam** and Md. Saiful Islam, “Utilization of Bangladeshi Fly Ash in Sustainable Developments Works,” *National Seminar on Utilization of Natural Resources for Sustainable Development*, 25-29th January, 2013, Organized By: The Institution of Engineers, Bangladesh.
14. **Md. Moinul Islam** and Md. Saiful Islam, “Utilization of Coal Burnt Fly Ash: Bangladesh Perspective,” *International Conference on Climate Change Impact and Adaptation (I3CIA-2013)*, 15-17th November, 2013, Organized By: Center for Climate Change and Sustainability Research (3CSR), Department of Civil Engineering, DUET, Gazipur, Bangladesh.
15. **Md. Moinul Islam** and Md. Saiful Islam, “Performance of Fly Ash Concrete in Seawater against Freeze-Thaw Action,” *2nd International Conference on Civil Engineering for Sustainable Development 2014*, 14-16th February, 2014, Organized By: Department of Civil Engineering, Khulna University of Engineering & Technology, Khulna, Bangladesh.
16. Sabrine Islam, Keya Chowdhury, S M Farooq, **Md. Moinul Islam** and Md. Saiful Islam, “A Comparative Study on the Load Carrying Capacity of RC Bored Piles,” *2nd International Conference on Civil Engineering for Sustainable Development 2014*, 14-16th February, 2014, Organized By: Department of Civil Engineering, Khulna University of Engineering & Technology, Khulna, Bangladesh.

17. Md. Saiful Islam, Sabrina Islam, **Md. Moinul Islam** and Md. S. Z. Basunia, “Strength Deterioration of Brick Aggregate Concrete in NaCl Environment,” *2nd International Conference on Civil Engineering for Sustainable Development 2014*, 14-16th February, 2014, Organized By: Department of Civil Engineering, Khulna University of Engineering & Technology, Khulna, Bangladesh.
18. **Md. Moinul Islam** and Md. Saiful Islam, “Dimensional Stability of Fly Ash Concrete under Freeze - Thaw Action in Saline Water,” *International Conference on Mechanical Engineering and Renewable Energy*, 1-3rd May, 2014, Organized By: Department of Mechanical Engineering, Chittagong University of Engineering & Technology, Chittagong, Bangladesh.
19. Sabrina Islam, **Md. Moinul Islam** and Md. Saiful Islam, “Marine Environment and its Ill Effects on Structural Concrete“, *International Conference on Mechanical Engineering and Renewable Energy*, 1-3rd May, 2014, Organized By: Department of Mechanical Engineering, Chittagong University of Engineering & Technology, Chittagong, Bangladesh.
20. **Md. Moinul Islam**, Sabrina Islam and Md. Saiful Islam, “Coal and its Combustion Products: A Global Perspective,” *International Conference on Mechanical Engineering and Renewable Energy*, 1-3rd May, 2014, Organized By: Department of Mechanical Engineering, Chittagong University of Engineering & Technology, Chittagong, Bangladesh.
21. **Md. Moinul Islam** and Md. Saiful Islam, “Prospect of Utilization of Green Concrete for Marine Structures,” *9th International Forum on Strategic Technology (IFOST 2014)*, 21-23rd October, 2014 at Cox's Bazar, Organized By: Chittagong University of Engineering & Technology, Chittagong, Bangladesh.
22. Md. Ibrahim Mostazid, Md. Refatul Karim Chy, **Md. Moinul Islam** and Md. Saiful Islam, “Non-Destructive Test Technique for the Assessment of Micro- Structural Characteristics of Concrete under Aggressive Environmental Condition,” *9th International Forum on Strategic Technology (IFOST 2014)*, 21-23rd October, 2014 at Cox's Bazar, Organized By: Chittagong University of Engineering & Technology, Chittagong, Bangladesh.
23. **Md. Moinul Islam** and Md. Saiful Islam, “Use of Fly Ash in Making Green Durable Concrete for Coastal Structures,” *2nd International Conference on Advances in Civil Engineering 2014*, 26-28th December, 2014, Organized By: Department of Civil Engineering, Chittagong University of Engineering & Technology, Chittagong, Bangladesh.

24. Sudipto Chakraborty, Taif Mahmud, **Md. Moinul Islam** and Md. Saiful Islam , “Use of Paper Industry Waste Making Low Cost Concrete, ” *2nd International Conference on Advances in Civil Engineering 2014*, 26-28th December, 2014, Organized By: Department of Civil Engineering, Chittagong University of Engineering & Technology, Chittagong, Bangladesh.

25. Md. Ibrahim Mostazid, Md. Refatul Karim, **Md. Moinul Islam** and Md. Saiful Islam, “Methodology for Assessing Corrosion of Reinforced Concrete in Marine Environment, ” *2nd International Conference on Advances in Civil Engineering 2014*, 26-28th December, 2014, Organized By: Department of Civil Engineering, Chittagong University of Engineering & Technology, Chittagong, Bangladesh

26. Nafisa Tabassum, Jonayed Kaiser Sourav, Md. Saiful Islam and **Md. Moinul Islam**, “A Study on the Strength Characteristics of Steel Fiber Reinforced Concrete,” *2nd International Conference on Advances in Civil Engineering 2014*, 26-28th December, 2014, Organized By: Department of Civil Engineering, Chittagong University of Engineering & Technology, Chittagong, Bangladesh

27. Md Refat Ahmed Bhuiyan, Md Saiful Islam and **Md Moinul Islam**, “A Study on the Strength Behaviour of Concrete in Nacl Environment, ” *2nd International Conference on Advances in Civil Engineering 2014*, 26-28th December, 2014, Organized By: Department of Civil Engineering, Chittagong University of Engineering & Technology, Chittagong, Bangladesh

28. Sudipto Chakraborty, Taif Mahmud, **Md. Moinul Islam** and Md. Saiful Islam, “Utilization of Solid Waste from Paper Industry: Bangladesh Perspective,” *4th International Conference on Solid Waste Management in Developing Countries*, 15-17th February, 2015, Organized By: Department of Civil Engineering, Khulna University of Engineering & Technology, Khulna, Bangladesh.

29. **Md. Moinul Islam** and Md. Saiful Islam, “Prospect of Slag in Making Structural Concrete for Marine Environment,” *3rd International Conference on Mechanical Engineering and Renewable Energy 2015*, 26-29th November, 2015, Organized By: Department of Mechanical Engineering, Chittagong University of Engineering & Technology, Chittagong, Bangladesh.

30. Opu C. Debnath, Md. Saiful Islam and **Md. Moinul Islam**, “Use of Geopolymer Concrete as Green Construction Material - A Review,” *3rd International Conference on Mechanical Engineering and Renewable Energy 2015*, 26-29th November, 2015, Organized By: Department of Mechanical Engineering, Chittagong University of Engineering & Technology, Chittagong, Bangladesh.

31. **Md. Moinul Islam**, Md. Tarequl Alam and Md. Saiful Islam, “Suitability of Supplementary Cementitious Materials in Making Sustainable Construction Materials,” *International Conference on Recent Innovation in Civil Engineering for Sustainable Development 2015, 11-13th December, 2015*, Organized By: Department of Civil Engineering, Dhaka University of Engineering & Technology, Gazipur, Bangladesh.
32. Opu C. Debanath, M. S. Rahman, Md. Saiful Islam and **Md. Moinul Islam**, “A Study on Strength and Durability of Slag (GGBS) based Geo polymer Mortar in Chloride Environment,” *International Conference on Recent Innovation in Civil Engineering for Sustainable Development 2015, 11-13th December, 2015*, Organized By: Department of Civil Engineering, Dhaka University of Engineering & Technology, Gazipur, Bangladesh.
33. **Md. Moinul Islam**, Md. Tarequl Alam and Md. Saiful Islam, “Use of Coal Burnt Fly Ash as Sustainable Construction Material,” *1st International Conference on Advances in Civil Infrastructure and Construction Materials 2015, 14–15th December 2015*, Organized By: Department of Civil Engineering, Military Institute of Engineering & Technology, Dhaka, Bangladesh.
34. Opu C. Debanath, Md. Saiful Islam and **Md. Moinul Islam**, “Performance of Slag based Geopolymer Mortar in Acidic Environment,” *1st International Conference on Advances in Civil Infrastructure and Construction Materials 2015, 14–15th December 2015*, Organized By: Department of Civil Engineering, Military Institute of Engineering & Technology, Dhaka, Bangladesh.
35. **Md. Moinul Islam** and Md. Saiful Islam, “Future Prospect of Coal Combustion Products: Bangladesh Perspective,” *3rd International Conference on Civil Engineering for Sustainable Development 2016, 12-14th February, 2016*, Organized By: Department of Civil Engineering, Khulna University of Engineering & Technology, Khulna, Bangladesh
36. Sudipto N. Priyom, Mohammad M. H. Bablu, **Md. Moinul Islam** and Wahida Sumi, “Potential Application of Bacteria to Make Durable Concrete,” *BUET-ANWAR ISPAT 1st Bangladesh Civil Engineering SUMMIT 2016, 23-26th November, 2016*, Organized By: Department of Civil Engineering, Bangladesh University of Engineering & Technology (BUET), Dhaka, Bangladesh
37. **Md. Moinul Islam**, Md. Tarequl Alam and Md. Saiful Islam, “Boropukuria Fly Ash - A Prospective Green Material For Coastal Concrete,” *3rd International Conference on Advances in Civil Engineering 2016, 21-23rd December, 2016*, Organized By: Department of Civil Engineering, Chittagong University of Engineering & Technology, Chittagong, Bangladesh

38. M. A. Qurishee, I. T. Iqbal, **Md. Moinul Islam** and Md. Saiful Islam, “Use of Slag as Coarse Aggregate and its Effect on Mechanical Properties of Concrete,” *3rd International Conference on Advances in Civil Engineering 2016*, 21-23rd December, 2016, Organized By: Department of Civil Engineering, Chittagong University of Engineering & Technology, Chittagong, Bangladesh
39. **Md. Moinul Islam**, Md. Tarequl Alam and Md. Saiful Islam, “Use of Supplementary Cementitious Materials in Concrete: Bangladesh Perspective,” *International Conference on Planning, Architecture and Civil Engineering*, 9-11th February, 2017, Organized By: Faculty of Civil Engineering, Rajshahi University of Engineering & Technology, Rajshahi, Bangladesh
40. S. N. Priyom, **Md. Moinul Islam** and Md. Saiful Islam, “An Experimental Investigation on the Performance of Bacterial Concrete,” *4th International Conference on Civil Engineering for Sustainable Development 2018*, 19-21st December, 2018, Organized By: Department of Civil Engineering, Chittagong University of Engineering & Technology, Chittagong, Bangladesh
41. S. Sarker, **Md. Moinul Islam** and R. Ahsan, “Salinity Removal and Feasibility Study on Sea Sand in Geopolymer Concrete,” *4th International Conference on Civil Engineering for Sustainable Development 2018*, 19-21st December, 2018, Organized By: Department of Civil Engineering, Chittagong University of Engineering & Technology, Chittagong, Bangladesh
42. S. N. Priyom, S. M. Sarwar Uddin, **Md. Moinul Islam** and Wahhida Sumi, “Strength Variation of Microbial Concrete for Different Bacterium Percentages,” *2nd International Conference on Research and Innovation in Civil Engineering (ICRICE-2020)*, 10-11th January, 2020, Organized By: Department of Civil Engineering, Southern University of Bangladesh, Chittagong, Bangladesh
43. M. T. Alam, M. S. Islam and **M. M. Islam**, “Effect of Pre-Curing on Strength Development of Brick Aggregate Concrete in Sea Water Environment,” *5th International Conference on Civil Engineering for Sustainable Development 2020*, 4-6th March, 2021, Organized By: Department of Civil Engineering, Chittagong University of Engineering & Technology, Chittagong, Bangladesh
44. S. N. Priyom, **M. M. Islam**, M. S. Islam and W. Sumi, “Microbial Technology-A Sustainable Alternative to Improve Concrete Quality,” *5th International Conference on Civil Engineering for Sustainable Development 2020*, 4-6th March, 2021, Organized By: Department of Civil Engineering, Chittagong University of Engineering & Technology, Chittagong, Bangladesh

45. M. S. Islam, A. Hasan, **M. M. Islam** and S. S. Das., “Performance of Rice Husk Ash Concrete in Acidic Environment,” *6th International Conference on Civil Engineering for Sustainable Development 2022*, 21-23rd December, 2022, Organized By: Department of Civil Engineering, Chittagong University of Engineering & Technology, Chittagong, Bangladesh
46. M. S. Islam, C. M. S. Alam and **M. M. Islam**, “Study on Strength Characteristics of Concrete using Waste Tyre as Coarse Aggregate in Concrete,” *6th International Conference on Civil Engineering for Sustainable Development 2022*, 21-23rd December, 2022, Organized By: Department of Civil Engineering, Chittagong University of Engineering & Technology, Chittagong, Bangladesh
47. M. Tamim, A. R. Abhra, **M. M. Islam**, and G. M. Sadiqul Islam., “Effect of Bacterial Incorporation in Alkali Activated Concrete,” *6th International Conference on Civil Engineering for Sustainable Development 2022*, 21-23rd December, 2022, Organized By: Department of Civil Engineering, Chittagong University of Engineering & Technology, Chittagong, Bangladesh
48. N. Jaha, U. Das and **M. M. Islam**, “Effect of a Shrinkage Reducing Admixture as Self-Curing Agent on Concrete Strength,” *6th International Conference on Civil Engineering for Sustainable Development 2022*, 21-23rd December, 2022, Organized By: Department of Civil Engineering, Chittagong University of Engineering & Technology, Chittagong, Bangladesh
49. Foysal Ahmed, Md. Reyazul Islam, Muhammad Rafiul Mahdi and **Md. Moinul Islam**, “Optimization of Silica-fume and Fumed Silica Content in High-Strength Concrete,” *2nd International Conference on Advances in Civil Infrastructure and Construction Materials 2023*, 26–28th July 2023, Organized By: Department of Civil Engineering, Military Institute of Engineering & Technology, Dhaka, Bangladesh.
50. Muhammad Mustofa and **Md. Moinul Islam**, “Optimizing Concrete Performance: Investigating Compressive Strength in Blended Fly Ash-Slag Mixtures with Different Water-To-Binder Ratios,” *7th International Conference on Civil Engineering for Sustainable Development 2024*, 7-6th February, 2024, Organized By: Department of Civil Engineering, Khulna University of Engineering & Technology, Khulna, Bangladesh
51. Atique Ishrak Anik, Ummay Hani Mozumder, **Md. Moinul Islam**, Md. Saiful Islam, Md. Irfanul Haque, Md. Delwar Hossain, “A Review of Compressed Stabilized Earth Block as a Sustainable Building Material for Low-Cost House Setting in Bangladesh,” *7th International Conference on Civil Engineering for Sustainable Development 2024*, 7-6th February, 2024, Organized By: Department of Civil Engineering, Khulna University of Engineering & Technology, Khulna, Bangladesh

52. M I Hossain, M S Islam, M Islam and **M M Islam**, “Evaluating Concrete Compressive Strength using Nondestructive Test Techniques,” **7th International Conference on Civil Engineering for Sustainable Development 2024**, 7-6th February, 2024, Organized By: Department of Civil Engineering, Khulna University of Engineering & Technology, Khulna, Bangladesh

(iii) **BOOK CHAPTER**

1. S. N. Priyom, **M. M. Islam**, M. S. Islam and W. Sumi, “Microbial Technology-A Sustainable Alternative to Improve Concrete Quality,” October, 2021, **Conference paper, In book: Advances in Civil Engineering**, Chapter: 27, Publisher: Springer, Singapore, pp 275–286, DOI: 10.1007/978-981-16-5547-0_27



Prof. Dr. Md. Moinul Islam)