



Shuvo Dip Datta

Lecturer

Research Area Goggle Scholar Profile

Reviwer (Scopus+Web of Science)

Construction Management Structural and
Materials Engineering

Biography

Shuvo Dip Datta is a Lecturer in the Department of Building Engineering and Construction Management (BECM). He joined Khulna University of Engineering and Technology (KUET) in July 2022. He completed his secondary level in 2013 and his higher secondary level in 2015. He completed his B.Sc. Eng. from the Department of Building Engineering and Construction Management (BECM), Khulna University of Engineering and Technology (KUET), Khulna-9203, Bangladesh in 2020. After graduation, he joined ACME Technology Limited as a Project Coordinator. After that, he worked with Green Axis Real Estate Limited as a Structural Engineer. He was also involved in several national projects, including Dhaleswari River Island, the Purbacal boat club, the Bangladesh Naval Academy extension work, etc. He was involved in several projects for the Bangladesh Navy. He was also serving as an Adjunct Lecturer in the Department of Civil Engineering at North Western University, Khulna, Bangladesh. Shuvo Dip Datta is a growing researcher in the field of structural and materials engineering as well as construction management. He has vast research experience in the area of destructive and non-destructive tests of recycled aggregate concrete. In addition, he has already explored the area of fiber-reinforced concrete, construction waste material assessment, BIM, critical success factors, and fire safety management of a project. Currently, he is working on material sustainability assessment, low-cost concrete production, sustainable material utilization as construction materials, robotics in construction, and artificial intelligence in construction.

"Embrace each Challenge in Life as an Opportunity for Self-Transformation"

[Personal Website](#)

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[Research Gate](#)

[Scopus Id](#)

[ORCID](#)

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Education

B.Sc. Eng. in BECM

Khulna University of Engineering and Technology, Khulna-9203, Bangladesh(2020)Group: BECM, Student Type: Regular, Merit Position: 1st, Achievement: Deans Award

HSC

Govt. Syed Hatem Ali College, Barishal, Bangladesh()Group: Science, Student Type: Regular, Achievement: Board Scholarship

SSC

Udayan High School, Barishal, Bangladesh(2013)Group: Science,Student Type:Regular,Achievement:Board Scholarship

Service Records

- **Lecturer**
Department/Section: Building Engineering and Construction Management
Khulna University of Engineering and Technology From 17-07-2022 to 01-01-1970
Working Area:Khulna
- **Adjunct Lecturer**
Department/Section: Civil Engineering
North Western University From 02-02-2022 to 02-06-2022
Working Area:Khulna
- **Structural Engineer**
Department/Section: Residential
Green Axis Real Estate Limited From 02-12-2020 to 01-11-2021
- **Project Co-Ordinator**
Department/Section: Residential
ACME Technologies Ltd. From 10-01-2020 to 01-12-2020
Working Area:Dhaka

Research Interest

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<https://scholar.google.com/citations?user=rIGADyMAAAAJ&hl=en>

Reviwer (Scopus+Web of Science)

Materials Research Express
Journal of Applied Science and Engineering (JASE)
Journal of Construction (RDLC)
International Journal of Building Pathology and Adaptation
Journal of Building Engineering
Journal of Asian Architecture and Building Engineering

Construction Management

- Building Information Modelling (BIM)
- Automation in Construction
- Data Analytics in Construction
- Green Building Technology
- Construction and Project Management
- Construction Delay Optimization
- Building Sustainability
- Pre-Construction Hazard Assessment
- Off-site Construction (OSC)
- Construction waste optimization
- Modular construction

Structural and Materials Engineering

- Construction materials
- Concrete technologies
- Recycled aggregate concrete
- Fiber-reinforced concrete
- Sustainable concrete
- 3D printed concrete
- Ultra High-performance fiber reinforced concrete
- Rheological, mechanical and durability properties of concrete

Publication

Books

1. Sobuz,M. H. R. ,Datta,S. D. and Rahman,M. (2022) ," In: Arthur, S., Saitoh, M., Pal, S.K. (eds) Advances in Civil Engineering. Lecture Notes in Civil Engineering," , ISBN:978-981-16-5547-0, Springer, vol184, DOI:10.1007/978-981-16-5547-0_22

Journals

4. Sobuz,M. H. R. ,Datta,S. D. and Akid,A. S. M. (2022) , " Investigating the combined effect of aggregate size and sulphate attack on producing sustainable recycled aggregate concrete," , Taylor and Francis, volahead-of-print , no.ahead-of-print
3. Datta,S. D. , Rana,M. J. , Assafi,M. N. and Ahmed,N. J. M. & S. (2022) , " Investigation on the generation of construction wastes in

Bangladesh," Taylor and Francis , volahead-of-print , no.ahead-of-print , pp.1-9

2. (2022) , " Assessing the influence of recycled concrete aggregate size and concentration on rheological and mechanical performance of high-strength concrete," **Journal of King Saud University - Engineering Sciences**, Elsevier, vol36, DOI:<https://doi.org/10.1016/j.jksues.2022.04.004>

1. Nath,A. D. , Hoque,M. I. , Datta,S. D. and Shahriar,F. (2021) , " Various recycled steel fiber effect on mechanical properties of recycled aggregate concrete," **International Journal of Building Pathology and Adaptation**, Emerald Group Publishing, volahead-of-print, no.ahead-of-print , DOI:<https://doi.org/10.1108/IJBPA-07-2021-0102>

Conference

6. Mondol,S. ,Datta*,S. D. and Islam,M. H. , "Effect of Waste Brick Powder on Jute Fibre Reinforced Concrete," CUET, pp.471-477

5. Shahriar,F. ,Datta*,S. D. and Nath,A. D. (23-24 December, 2022) , "INVESTIGATING THE MECHANICAL AND NON-DESTRUCTIVE PROPERTIES OF STEEL FIBER REINFORCED RECYCLED AGGREGATE CONCRETE," CUET, pp.539-546