Curriculum Vitae of Opu Chandra Debanath

Personal details

Assistant Professor
Dept. of Civil Engineering
Chittagong University of Engineering & Technology (CUET)
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Education

August 2019	: **Master of Science in Civil Engineering** Institute: CUET, Chattogram-4349, Bangladesh
September 2015	: **Bachelor of Science in Civil Engineering** Institute: CUET, Chattogram-4349, Bangladesh

Awards/Distinctions

March 2018	: Prime Minister Gold Medal Award-2015. From the Honorable Prime Minister, Government of the People's Republic of Bangladesh for Merit Position of B.Sc. in Civil Engineering.

Employment

October 2019 to present	: Assistant Professor, Department of Civil Engineering, CUET
April 2016 to September 2019	: Lecturer, Department of Civil Engineering, CUET

Professional Memberships

Member, Institution of Engineers, Bangladesh (IEB), Member ID-A18771

Testing and Consulting Member, Bureau of Research, Testing & Consultation (BRTC), Dept. of Civil Engg., CUET

Organizing Member of 3rd ICACE-2016, 4th ICACE-2018 and 5th ICACE-2020; Organized by Dept. of Civil Engg., CUET

Short course/Training

Attended short training on Integrated River and Harbor Management offered by CRHLSR, CUET, Bangladesh, 04-06 August, 2016.

Attended training course on CSI ETABS Analysis and Design of Building Structures organized by IEER, CUET, Bangladesh, conducted during 01 April – 30 July 2015.

Publication Details

Conference article

Debanath O.C., Rahman M. A. and Farooq S. M. 2019. "Use of Fly Ash Based Geopolymer for Stabilization of Expansive Soil." In *9th International Conference on Geotechnique, Construction Materials and Environment*, Tokyo, Japan, 20-22 November 2019, pp. 344-347

Rokeya B., **Debanath O.C.**, Chowdhury M. N. N. and Noor, M. A. B. 2016. "Determination of Optimum Cement Content for Stabilization of Soil - A Case Study. " In *3rd International Conference on Advances in Civil Engineering (ICACE 2016)*, 21–23 December 2016, CUET, Chattogram, Bangladesh, pp. 233-238

Sarker S., Hossain M. A., **Debnath O. C.**, Tabassum N. and Islam, M. S. 2016. "Strength Behavior of Slag (GGBS) Based Geopolymer Concrete in Chloride Environment" In *3rd International Conference on Advances in Civil Engineering (ICACE 2016)*, 21–23 December 2016, CUET, Chattogram, Bangladesh, pp. 597-602

Debanath O. C., Islam M. S. and Islam M. M. 2015. "Performance of slag based geopolymer mortar in acidic environment" In *First International Conference on Advances in Civil Infrastructure and Construction Materials (CICM 2015)*, MIST, Dhaka, Bangladesh, pp.193-200

Debanath, O. C., Rahman M. S., Islam M. S. and Islam M. M. 2015. "A Study on Strength and Durability of Slag (GGBS)Based Geopolymer Mortar in Chloride Environment." In *International Conference on Recent Innovation in Civil Engineering for Sustainable Development (IICSD-2015)*, DUET, Gazipur, Bangladesh, pp. 87-92

Debanath O. C., Islam M. S. and Islam M. M. 2015. "Use of Geopolymer Concrete as Green Construction Material- A Review" In *International Conference on Mechanical Engineering and Renewable Energy (ICMERE-2015)*, CUET, Chattogram, Bangladesh

Debanath O. C., Islam, G. M. S. and Islam M. S. 2014. "Transfloor Slab System- A Convenient Approach of RC Construction". In *2nd International Conference on Advances in Civil Engineering (ICACE-2014)*, CUET, Chattogram, Bangladesh, pp. 399-404

Article in Review

Debanath O.C., Rahman M. A., Farooq S. M. and Islam. M. R, Alleviation of Hazards associated with Expansive Soils: An Application of Eco-friendly Waste Binders; in *Geotechnical and Geological Engineering*, https://www.springer.com/journal/10706

Debanath O.C., Rahman M. A., Chowdhury S. A., Ahmed R.U., Hassan S.N. and Roy E., Effect of fly-ash on the strength development of coastal soils-A case study for the southern coastal zone of Bangladesh; in *Malaysian Journal of Civil Engineering*, https://mjce.utm.my/index.php/MJCE