

### Field of Interest

Stormwater Management, Hydrological and Hydraulic modeling, SWMM, HEC-HMS, QGIS, Low Impact Development (LID)

### Qualification

PhD (Ongoing); M.Engg (CUET); B.Sc. Engg. (CUET)

### Courses Taught

#### Undergraduate Course

- Engineering Mechanics
- Fluid Mechanics
- Fluid Mechanics Lab
- Engineering Hydrology & Irrigation
- Open Channel Hydraulics
- Environmental Engineering Lab I

### Publications

Serial No.	Title	Authors	Journal/Conference	Year
1	City scale urban flood modeling and mapping	Chowdhury, M.A.H., and Akter, A.	Proceedings of the Institution of Civil Engineers -Water Management - JWAMA	2021
2	Predicting urban storm water-logging for Chittagong city in Bangladesh	Akter, A., Mohit, S. A., and Chowdhury, M.A.H.	International Journal of Sustainable Built Environment	2017
3	Analysis of Surface Drainage Network of 17 No. West Bakalia Ward Using SWMM5	M.R. Hasan, M.M. Billah& M. A. H. Chowdhury	Proceedings of 3rd International Conference on Research and Innovation in Civil Engineering (ICRICE 2022)	2022
4	Identification of Flood Hotspots in Chattogram City Drainage System	Chowdhury, M.A.H., and Akter, A.	Proceedings of 2nd International Conference on Research and Innovation in Civil Engineering (ICRICE 2020)	2020
5	Prediction of water logging in Chittagong city using hydrological model	Mohit, S. A., Chowdhury, M.A.H. and Akter, A.	2nd International Conference on Advances in Civil Engineering 2014 (ICACE-2014)	2014
6	Manufacturing Processes of Carbon Fiber Reinforced Polymer and its beneficial approach to retrofitting and strengthening of structural elements	Chowdhury, M.A.H.	2nd International Conference on Advances in Civil Engineering 2014 (ICACE-2014)	2014