Sharmin Siddika, Master's Student

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Professional Experience

2024 – ····	**Graduate Research Assistant,** College of Coast and Environment, Louisiana State University.
2023 – 2024	**Project Assistant.** Oxfam in Bangladesh.
2022 – 2023	**Junior Urban Planner.** Development Design Consultancy(DDC).

Education

2024 – ····	**Master's, Louisiana State University,** Department of Environmental Sciences. Thesis title: *Rural Confluence: Communities and Academic Partners Uniting to Drive Discovery and Build Capacity for Climate Resilience.*
2017 – 2022	**BURP. Khulna University of Engineering and Technology (KUET)** in Urban and Regional Planning. Thesis title: *Assessment of urban resiliency concerning disaster risk: a review on multidimensional approaches.*
2014 – 2016	**HSC. Science** Govt. M M City College

Research Publications

Journal Articles

1. M. M. Morshed, S. Siddika, H. Almohamad, M. Al-Mutiry, and H. G. Abdo, "Impact of covid-19 lockdown on vegetation indices and heat island effect: A remote sensing study of dhaka city, bangladesh," *Sustainability*, vol. 14, p. 7922, 2022. 🔗 DOI: https://doi.org/10.3390/su14137922.

2. M. A. Sresto, S. Siddika, M. A. Fattah, S. R. Morshed, and M. M. Morshed, "A gis and remote sensing approach for measuring summer-winter variation of land use and land cover indices and surface temperature in dhaka district, bangladesh," *Heliyon*, vol. 8, 2022.

3. M. A. Sresto, S. Siddika, M. N. Haque, and M. Saroar, "Groundwater vulnerability assessment in khulna district of bangladesh by integrating fuzzy algorithm and drastic (drastic-l) model," *Modeling Earth Systems and Environment*, vol. 8, pp. 3143–3157, 2022. 🔗 DOI: https://doi.org/10.1007/s40808-021-01270-w.

4. M. N. Haque, S. Siddika, M. A. Sresto, M. M. Saroar, and K. R. Shabab, "Geo-spatial analysis for flash flood susceptibility mapping in the north-east haor (wetland) region in bangladesh," *Earth Systems and Environment*, vol. 5, pp. 365–384, 2021. 🔗 DOI: 10.1007/s41748-021-00221-w.

5. S. Siddika, M. N. Haque, and M. A. Sresto, "Assessing the relationship among the land surface features: A geographic information system (gis) and remote sensing (rs) based approach for city area," *Journal of Applied Science Process Engineering*, vol. 8, 2021.

6. M. A. Sresto, S. Siddika, M. N. Haque, and M. Saroar, "Application of fuzzy analytic hierarchy process and geospatial technology to identify groundwater potential zones in north-west region of bangladesh," *Environmental Challenges*, vol. 5, pp. 105–119, 2021. 🔗 DOI: https://doi.org/10.1016/j.envc.2021.100214.

Skills

Languages	▮	Strong reading, writing and speaking competencies for English and Bangla.
Coding	▮	Python, LaTeX, …
Misc.	▮	Academic research, training, consultation, LaTeX typesetting and publishing.

Miscellaneous Experience

Awards and Achievements

2018	▮	**Deans Award**, Faculty of Civil Engineering.
2020	▮	**Deans Award**, Faculty of Civil Engineering.
2021	▮	**Department Prize for Outstanding Student Performance**, Khulna University of Engineering and Technology.

References

Available on Request