

KAZI JIHADUR RASHID

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WORK EXPERIENCE

Technical Consultant

Remote Sensing Division, Center for Environmental and Geographic Information Services (CEGIS) *May 2020 - Present*

Responsibilities:

- On-screen digitization and feature extraction from satellite images
- Visual interpretation and analysis of satellite images
- ESRI supported GIS Shapefiles preparation, editing, and topology building
- Updating geodatabase

Research Assistant

Dr Md. Atiqur Rahman's Lab, Dept. of GES, CU *Mar 2019 - Apr 2020*

Responsibilities:

- Collection of primary and secondary data from various sources
- Processing, analysis, and interpretation of geospatial, historical, and survey data
- Presentation of analyzed data in tables, graphs, and maps
- Reviewing literature and writing of research reports

Research Consultant

Child Protection Sector (HCMP), BRAC *Jul 2018 - Sep 2018*

Responsibilities:

- Collection of GPS coordinates of the Child-Friendly Spaces (CFS) along with a third eye observation about the present infrastructural conditions and the surrounding environment
- Geospatial and statistical analysis of collected data to measure the physical and social vulnerabilities of the CFS centers
- Identifying CFSs prone to flood and landslides

TECHNICAL SKILLS

- **Software/web:** ArcGIS, QGIS, Google Earth Engine, SPSS, KOBO Toolbox, MS Office
- **Programming:** R, SQL

EDUCATION & CERTIFICATIONS

BSc in Geography & Environmental Studies

University of Chittagong, Chattogram *2014 -2018*

SQL for Data Science

University of California, Davis (via Coursera) *Apr 2021 - May 2021*

R Programming

Johns Hopkins University (via Coursera) *Apr 2020 - May 2020*

Imagery, Automation, and Application

University of California, Davis (via Coursera) *Jul 2019 - Aug 2019*

Geospatial and Environmental Analysis

University of California, Davis (via Coursera) *Apr 2019 - May 2019*

GIS Data Format, Design and Quality
University of California, Davis (via Coursera)

Nov 2018 - Dec 2018

GIS and Its Application
Center for River, Harbor & Landslide Research (CRHLSR), CUET

Feb 2018 - Mar 2018

RESEARCH ARTICLES

- Spatiotemporal changes of vegetation and land surface temperature in the refugee camps and its surrounding areas of Bangladesh after the Rohingya influx from Myanmar (2020). <https://doi.org/10.1007/s10668-020-00733-x>
- Spatio-temporal Change Detection of Urban Surface Water Bodies in Chattogram City using GIS and Remote Sensing Techniques (2020). 4th International Conference on Bangladesh Environment (ISBEN-4), Dhaka.
- Spatial Concentration of Educational and Medical Facilities within Chattogram City. In: *Chattogram City: Geographical Survey*, 1st ed. Dhaka: Centre for Urban Studies & Academic Press & Publishers Library. Accepted for publication.
- Increasing Temperature, Water, Sanitation & Hygiene Conditions, and Health Outcomes of Rohingya Refugees and Local People in Southern Bangladesh. Manuscript submitted for publication.
- Ecological Impact Evaluation of Urban Heat Island in Dhaka City: A Spatio-temporal approach. Manuscript submitted for publication.
- Estimation of basic and effective reproduction number of COVID-19 and post-lockdown transmissibility in Bangladesh. Manuscript submitted for publication.

PROJECTS

- Spatio-Temporal Investigation of the Lightning, Related Fatalities and Options to Mitigate the Losses under the Changing Climate of Bangladesh *May 2019 - Dec 2020*
- Assessment of Future Changes in Irrigation Demand of Boro Rice in Brahmaputra-Jamuna Floodplain of Bangladesh Using Observed and Model Data *May 2019 - Oct 2019*
- Physical Vulnerability Assessment of Child-Friendly Spaces (CFS) at the Rohingya Refugee Camp, Cox's Bazar *Jul 2018 – Sep 2018*

REFERENCES

Dr Md. Atiqur Rahman
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