

Shekh Md. Shajid Hasan Tusher

University of Chittagong, Dept. of Geography and Environmental Studies, Chattogram, Bangladesh

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Education

Bachelor of Science in Geography and Environmental Studies
UNIVERSITY OF CHITTAGONG
CGPA: 3.72/ 4.00 (3rd Position)

Chattogram, Bangladesh
Feb. 2016 – May 2020

Research Interest

GIScience, Geo Spatial Data Science, Spatial Epidemiology/Public Health, Spatio-Temporal Analysis, & Spatial Statistics/Analysis.

Publications

Refereed Publications

1. Hridoy, A., Tipo, I. H., Sami, M. S., Babu, M. R., Ahmed, M. S., Rahman, **S. M., Tusher, S.**, Rashid, K. J., & Naim, M. (2022). Spatio-temporal estimation of basic and effective reproduction number of COVID-19 and post-lockdown transmissibility in Bangladesh. *Spatial Information Research*, 30(1), 23–35.
2. Hridoy, A.E.E., Mohiman, M., **Tusher, S.M.**, Hasan, S., Nowraj, S.Z.A. and Rahman, M.A., 2021. Impact of meteorological parameters on COVID-19 transmission in Bangladesh: a spatiotemporal approach. *Theoretical and applied climatology*, 144(1), pp.273-285.

Manuscripts Under Review

Alam, E., Hridoy, A. E. E., & **Tusher, S.H.**, Climate Change in Bangladesh: Temperature and Rainfall Climatology of Bangladesh for 1949–2013 and its implication on rice yield (In Revision) Article: Meteorology and Atmospheric Physics.

Preprint

1. Hridoy, A. E. E., Naim, M., Alam, E., Emon, N. U., Tipo, I. H., **Tusher, S. M. S. H.**, ... & Islam, M. S. (2020). Estimation of Effective Reproduction Number for COVID-19 in Bangladesh and its districts. medRxiv

Work & Research Experience

University of Chittagong

Feb. 2022 – Present

Research Assistant, Geography and Environmental Studies.

- Data and Image collection through Google Earth Engine (GEE)
- Image Processing in ArcGIS
- Data Analysis in Python
- Data Visualization in Python

Field Coordinator and Lab Assistant, Bangladesh Rubber Board, Ministry of Environment, Forest and Climate Change, Bangladesh.

April 2022 - June 2022

- Data Collection through GPS
- Data Visualization in Google Earth pro and ArcGIS
- Map Digitalization in ArcGIS
- Geodatabase in ArcGIS

Research Assistant, Disaster and Development Organization (DADO), Chattogram, Bangladesh

June 2019 – Dec. 2020

- Statistical Analysis in Python
- Mapping in ArcGIS
- Manuscript Writing
- Manuscript Preparation

Skills

Languages	Python, R, JavaScript
Data Science Tools	Scikit-Learn, SciPy, TensorFlow, Pandas, NumPy, Matplotlib
GIS Tool	ArcGIS, ArcGIS Pro
Spatial Data Science tools	Geoda, GeoPandas, Leaflet
Remote Sensing tool	Google Earth Engine (GEE), Google Earth pro
Productivity and creativity	Microsoft Office, Adobe Photoshop
English Proficiency (IELTS)	Overall: ____ (Listening: ____, Reading: ____, Writing: ____ and Speaking: ____)

Volunteering Experiences

Reviewer , Theoretical and Applied Climatology, (Springer)	<i>Feb. 2022 – Present</i>
Executive Member , Chittagong University Scientific Society, University of Chittagong, Chattogram, Bangladesh	<i>Oct. 2016 - May 2022</i>

Honors & Awards

2021	National Science and Technology (NST) Fellowship	<i>Dhaka, Bangladesh.</i>
2021	Scholarship for excellence, Ministry of Education	<i>Dhaka, Bangladesh</i>
2021	Grow with Google Scholarship program (Online)	<i>Commonwealth of Learning, Canada</i>
2015	Faculty Award for excellent position, Faculty of Biology, University of Chittagong	<i>Chattogram, Bangladesh</i>
2014	Dutch-Bangla Bank Scholarship	<i>Dhaka, Bangladesh</i>
2012	Secondary School Certificate (SSC) Scholarship, Education Board Bangladesh	<i>Rajshahi, Bangladesh</i>
2006	General Grade Scholarship, Education Board Bangladesh	<i>Rajshahi, Bangladesh</i>

References

Dr. Md. Atiqur Rahman (Research Supervisor)
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Geography and Environmental Studies,
University of Chittagong,
Chattogram, Bangladesh.
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