

Ikramul Hasan

Email: hasan.228@osu.edu

Ph.D. Student at The Ohio State University, specialized in GIS & Remote Sensing

Educations

- 2023-Present **Ph.D. in Geography** | The Ohio State University, Columbus, USA
- 2021-2023 **M.S. in Geosciences** | Florida Atlantic University, Boca Raton, USA
- 2014-2018 **B.S. in Geography & Environment** | University of Dhaka, Bangladesh

Publications

- 2023 **Hasan, I.**, Liu, W., Xu, C. (2023). Monitoring and Analyzing the Seasonal Wetland Inundation Dynamics in the Everglades from 2002 to 2021 Using Google Earth Engine. *Geographies*.3(1):161-177. <https://doi.org/10.3390/geographies3010010>
- 2022 Hassan, M.M., **Hasan, I.**, Southworth, J., Loboda, T. (2022). Mapping fire-impacted refugee camps using the integration of field data and remote sensing approaches. *International Journal of Applied Earth Observation and Geoinformation*. 115 (December),103120. <https://doi.org/10.1016/j.jag.2022.103120>
- 2020 Abedin, J., Rabby, Y.W., **Hasan, I.**, Akter, H. (2020). An investigation of the characteristics, causes, and consequences of June 13, 2017, landslides in Rangamati District Bangladesh. *Geoenvironmental Disasters* 7, 23(2020). <https://doi.org/10.1186/s40677-020-00161-z>

Google Scholar: <https://scholar.google.com/citations?user=dUie5UgAAAAJ&hl=en>

Conference Presentations

- 2024 Deep Learning-Based Decadal Land Use Land Cover Mapping of Sattasniemi District of Finland Using Sentinel-2 Images. East Lake American Association of Geographers (AAG) Annual Meeting, Kalamazoo, Michigan. (2024).
- 2024 Assessing machine learning and deep learning methods for species classification in Finland boreal forest using Sentinel and Planet Scope imagery. The 2024 Navigating the New Arctic (NNA) Community Meeting. Washinton, DC.
- 2023 Monitoring and analyzing the seasonal wetland inundation dynamics in the Everglades from 2002 to 2021 using Google Earth Engine. AAG Annual Meeting, Denver, Colorado. (2023).
- 2023 Analyzing and comparing space-time and multi-season inundation dynamics in the Everglades wetland from 2002 to 2021: An automated approach in GEE. Poster presentation at GPSA's 14th Annual Graduate Research Day Symposium 2023, Boca Raton Campus, FAU.

Professional Experiences

Aug 2023-Present	Graduate Research Assistant (GRA) Department of Geography, The Ohio State University, USA. Navigating the New Arctic (NNA) research, funded by NSF.
May 2024-July 2024	Summer Associate Earth Science Department, The Ohio State University, USA. Worked with GNSS-IR data.
Jan 2023-Aug 2023	Graduate Research Assistant (GRA) Department of Geosciences, Florida Atlantic University, USA. Watershed Planning Initiative, 2nd phase, funded by FEMA.
Aug 2021-Dec 2022	Graduate Teaching Assistant (GTA) Department of Geosciences, Florida Atlantic University, USA. Courses Taught: Principal in GIS, WebGIS, Digital Image Analysis, Blue Planet.
June 2020-April 2021	Research Consultant in GIS & RS Centre for Environmental & Geographic Information Service, Bangladesh.

Research & Travel Grants

International Student Grant 2024	Awarded OSU OIA (\$3,000) Travel grant for field trip in Finland and Norway.
Fenburr Travel Award 2024	Fenburr Travel Scholarship (\$1,000) for Outstanding Graduate Students, Geography, OSU.
NAA Travel Grant 2024	Awarded \$1500 for presenting my research at NNA conference 2024, DC.
FAU Travel Grant 2023	Awarded \$800 for presenting my research at AAG conference 2023, Denver.
NST Research Grant 2020	Awarded \$500 by National Science & Technology as research grant for MS Thesis.

Awards & Honors

3 rd Position for Poster Presentation in TDAI Research Forum 2024	Obtained 3 rd place for poster presentation on deep learning-based pasture mapping in Translational Data Analytics Institute, Ohio State.
FAU Graduate Scholarship Fall 2022	Awarded \$800 for excellent academic record and research throughout the MS program in the Department of Geosciences, FAU.
1st Position in GIS Day Paper Presentation 2022	Winner of the first position in student's paper presentation competition, Geosciences, FAU.

1st position in SSC Obtained first position throughout the country in Secondary School Certificate (SSC) Exam 2010 at Madrasa Board, Bangladesh.

Skills

GIS Skills	ArcGIS Pro, ArcGIS Desktop, QGIS, ArcGIS online, WebGIS, PostGIS, Erdas Imagine, GeoDa, Google Earth Engine.
Programming Skills	Python, R, JavaScript, MATLAB, HTML, CSS, SQL
Other Skills	PgAdmin4, RStudio, SPSS, MS Package, Cascade2001, Adobe Photoshop
GitHub Link	https://github.com/IkramulHasanFAU

Extracurriculars

Ph.D. Representative	Graduate Geography Organization, Ohio State
Graduate Member	American Association of Geographers (AAG)
Event Supervisor	Science Olympiad 2022 Remote Sensing Division, FAU, FL
Presenter & Session Speaker	Florida International Leadership Conference 2022
Vice President	S.H. Hall Debating Club, University of Dhaka, (2016 - 2017)
Geospatial Content Creator	LatLongCoder (https://www.youtube.com/c/LatLongCoder)