

MD. RAJIBUL ISLAM

Sylhet, Bangladesh

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ACADEMIC CREDENTIALS

Degree	Institution	CGPA / GPA	Awarded
MS in Aquatic Resource Management	Sylhet Agricultural University, Sylhet	3.79 (scale 4)	Oct. 2024
B.Sc. in Fisheries (Honors)		3.32 (scale 4)	Dec. 2022

RESEARCH INTERESTS

Remote Sensing, GIS and Spatial Analysis, Land Use and Land Cover Change, Vegetation Mapping, Landsat Data Applications, Machine Learning for Environmental Monitoring

RESEARCH EXPERIENCE

Research Assistantship at Projects:

- **Sep. 2023–Present:** Dynamics of Changes in Land Use and Land Cover and Perceived Causes in Gungiajuri Haor Ecosystem of North-Eastern Bangladesh Using Remote Sensing and GIS Techniques
Supervisor: Iftekhar Ahmed Fagun | **Institution:** Habiganj Agricultural University, Habiganj
- **Jan. 2023–Sep. 2024:** Assessment of Spatio-Temporal Changes in Swamp Forests in Sylhet Region: A Remote Sensing-Based Approach
Supervisor: Dr. Ahmed Harun-Al-Rashid | **Institution:** Sylhet Agricultural University, Sylhet
- **Jul. 2022–Jun. 2023:** Remote Sensing Analysis of Spatio-Temporal Changes in Mayaban - A Freshwater Swamp Ecosystem in Bangladesh Utilizing a Machine Learning Approach
Supervisor: Iftekhar Ahmed Fagun | **Institution:** Habiganj Agricultural University, Habiganj

TEACHING EXPERIENCE

- **May 12–16, 2024:** **Resource Person**, A comprehensive training course on Google Earth Engine for remote sensing and GIS analysis
Supervisor: Dr. Ahmed Harun-Al-Rashid | **Institution:** Sylhet Agricultural University, Sylhet
- **Nov. 28–30, 2023:** **Resource Person**, A training on research methodology and citation management using Mendeley
Supervisor: Dr. Mrityunjoy Kunda | **Institution:** Sylhet Agricultural University, Sylhet

WORK EXPERIENCE

- **May 26, 2022–Present:** **Presenter & Announcer**, Bangladesh Radio, Sylhet
- **Dec. 31, 2019–Present:** **Head of Content Editing**, Shabash Fakibaj™ LLC
- **Feb. 8, 2022–Apr. 30, 2023:** **Photojournalist & Contributor**, Dhaka Prokash
- **Feb. 3–7, 2022:** **Photogrammetric Surveyor**, Aerial imaging based river's braided sections mapping and optimal path determination for discharge measurement collaborated with the Bangladesh Water Development Board
- **Dec. 1, 2020:** **Photographer**, Regional Integrated Multi-Hazard Early Warning System (RIMES)

PUBLICATIONS

- **Islam, M. R.**, Fagun, I. A., & Rishan, S. T. (2020). *Role of social media in the advancement of aquaculture in Bangladesh: Potentials and challenges*. *Bangladesh Journal of Fisheries*, 32(1), 207-212.
- Ahammad, B., Salam, S., Fagun, I. A., Rishan, S. T., Shipra, N. T., **Islam, M. R.**, Chowdhury, A., Rahman, M. H., Mahruf, B., & Jahan, M. N. (2024). *Fisheries-based ecotourism in the north-eastern area of Bangladesh*. *Journal of Agriculture, Food and Environment*, 5(2), 52-59.

CONFERENCES AND SEMINARS

Attended nine conferences and presented 14 research papers (2019–2024). Highlights include:

- **International Conference on Advanced Agricultural Research**, Sylhet, Bangladesh (May 23-24, 2024):
 - *Analyzing Spatio-Temporal Dynamics of Dekhar Haor: A Machine Learning Approach with Google Earth Engine* (poster)
- **13th Indian Fisheries and Aquaculture Forum**, Kolkata, India (Feb. 23-25, 2024):
 - *Analysis of Spatio-Temporal Dynamic Changes in Mayabon and Ratargul Swamp Forests of Sylhet Using Google Earth Engine: A Remote Sensing GIS-Based Assessment* (oral)
 - *Remote Sensing-Based Assessment of Short-term (2015-2023) Spatio-Temporal Changes of Baikka Beel* (oral)
- **3rd Biennial International Conference 2023**, Mymensingh, Bangladesh (Feb. 17-18, 2024):
 - *Evaluating Spatio-Temporal Dynamics of Ratargul Swamp Forest in Sylhet Division: A Remote Sensing and GIS Analysis* (poster)
- **2nd International Conference on Sustainable Fisheries**, Sylhet, Bangladesh (Sep. 16-18, 2022):
 - *Adolescents' Knowledge, Attitude, and Practices (KAP) Towards Fish Consumption: An Empirical Study from Bangladesh* (poster)
- **4th International Conference on Bangladesh Environment** (Dec. 26-28, 2020):
 - *Effect on Capture Fishery Due to Climate Change: Evidence from Jamuna River, Bangladesh* (oral)
- **Fisheries Society of Bangladesh Biennial Conference**, Mymensingh, Bangladesh (Dec. 27-28, 2019):
 - *Social Media in Advancement of Aquaculture in Bangladesh: Potentials and Challenges* (poster)

TECHNICAL SKILLS

Data Analysis:	SPSS
Remote Sensing & GIS Analysis:	Google Earth Engine, QGIS, ENVI, Google Earth Pro, SNAP
Programming Languages:	JavaScript, Python
Graphics Design:	Adobe Photoshop, Adobe Illustrator, Adobe Lightroom
Video Editing:	Adobe Premier Pro, Adobe Audition, Adobe After Effect
Web Design:	Wordpress, Blogger

ACHIEVEMENTS AND AWARDS

- Awarded National Science and Technology (NST) Fellowship – FY 2023-2024 for conducting my MS thesis (A research grant provided by the Ministry of Science and Technology of Bangladesh)
- 2nd prize winner, Xoshlife Winter Mobile Photography Contest, 2020
- 2nd prize winner, Sylhet Agricultural University Photographic Society-SAUPS, Intra SAU Photography Exhibition & Competition, 2018
- 2nd runner up, Chobiyaler Chokhe Photo Contest & Exhibition, 2016
- Champion, Annual Debate Competition 2010, Harimohan Govt. High School, Nawabganj, Bangladesh

ORGANIZATIONAL SKILLS

- *May 25, 2023–Present*: **President**, Sylhet Agricultural University Photographic Society, Sylhet, Bangladesh
- *Jan. 24, 2024–Present*: **President (Acting)**, Sylhet Agricultural University Film Society, Sylhet, Bangladesh
- *Aug. 17, 2023–Aug. 16, 2024*: **Treasurer**, Sylhet Agricultural University Journalist Association, Sylhet, Bangladesh

REFERENCES

Dr. Ahmed Harun-Al-Rashid

(MS Supervisor)

Prof., Dept. of Aquatic Resource Management, Sylhet Agricultural University, Sylhet, Bangladesh.

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Dr. Mrityunjoy Kunda

(MS Co-supervisor)

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Iftekhar Ahmed Fagun

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