CURRICULUM VITAE
OF
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Scientific Officer
Farm Machinery and Postharvest Technology Division,
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Education

2018-2020	**Master of Engineering** in Remote Sensing and Geographic Information Systems (RS & GIS), Asian Institute of Technology (AIT), Thailand.
2014-2015	**Master of Science**, Department of Farm Power and Machinery, Bangladesh Agricultural University (BAU), Mymensingh-2202, Bangladesh.
2010-2013	**Bachelor of Agricultural Engineering**, Faculty of Agricultural Engineering, Bangladesh Agricultural University (BAU), Mymensingh-2202, Bangladesh.

Honors

2018	Bangabandhu Science and Technology Fellowship Trust, Government Republic of Bangladesh.

Research Interests
Remote Sensing and GIS, Farm Machinery, Agricultural Water Management, and Climate change modeling.

Research Experience

Year	Job title	Work/Place
2015 to Present	Scientific Officer	Farm Machinery and Postharvest Technology (FMPHT) Division, Bangladesh Rice Research Institute (BRRI), Gazipur-1701.
2018-2020	Graduate Student	**Thesis**: Mapping the "Boro Season" Paddy Cultivation Area in Bangladesh from 2011 to 2017 Using Multi-temporal MODIS imagery. **Supervisor**: Dr. Salvatore G.P. Virdis, Email: virdis@ait.asia **Working projects** • The use of remote sensing techniques was investigated for a master's thesis to map the rice crop area in Bangladesh. • To Find the Best Site for Urban Development in Parchuap Khirikhan Province. • Comparative Analysis of Snow Cover Area Extraction from Low-Resolution Image (MODIS) and Snow Product with Medium Resolution Image (Landsat). • Mangrove Forest (Sundarban) Change Detection over Coastal Zone of Bangladesh.

2014-2015	Graduate Student	**Thesis**: Performance Evaluation of BRRI Power Chopper Machine. **Supervisor**: Dr. Md. Abdul Momin, Email: mominfpm@gmail.com

List of Publications:

Paper Published in the Reputed Journal

1. Mohammad Kamruzzaman, Mansour Almazroui, M.A. Salam, Md Anarul Haque Mondol, **Md. Mizanur Rahman**, Limon Deb, Palash Kumar Kundu, Md. Asad Uz Zaman & Abu Reza Md.Towfqul Islam. Spatiotemporal drought analysis in Bangladesh using the standardized precipitation index (SPI) and standardized precipitation evapotranspiration index (SPEI). *Sci Rep* **12**, 20694 (2022). https://doi.org/10.1038/s41598-022-24146-0

2. Rahaman, H., **Rahman, M.**, Islam, A. K. M., Huda, M., & Kamruzzaman, M. (2022). Mechanical Rice Transplanting in Bangladesh: Current Situation, Technical Challenges, and Future Approach. *Journal of Biosystems Engineering*, 1-11. https://doi.org/10.1007/s42853-022-00161-x.

3. **Md Mizanur Rahman**., AlThobiani, F., Shahid, S., Virdis, S. G. P., Kamruzzaman, M., Rahaman, H., ... & Ghandourah, E. I. (2022). GIS and Remote Sensing-Based Multi-Criteria Analysis for Delineation of Groundwater Potential Zones: A Case Study for Industrial Zones in Bangladesh. Sustainability, 14(11), 6667.

4. H. M. Touhidul Islam, Abu Reza Md. Towfiqul Islam, Shamsuddin Shahid, G. M. Monirul Alam, Jatish Chandra Biswas, Md. Mizanur Rahman, Dilip Kumar Roy, Mohammad Kamruzzaman (2022). Future precipitation projection in Bangladesh using SimCLIM climate model: A multi-model ensemble approach.

5. Mohammad Kamruzzaman, Mansour Almazroui, MA Salam, Anarul Haque Mondol, **Md Mizanur Rahman,** Limon Deb, Polash Kumar Kunda, Abu Reza Md Toufiqul Islam (2022). Spatiotemporal drought analysis in Bangladesh using the standardized precipitation index (SPI) and standardized precipitation evapotranspiration index (SPEI).

6. Elbeltagi A, AlThobiani F, Kamruzzaman M, Shaid S, Roy DK, Deb L, Islam MM, Kundu PK, **Rahman MM** (2022). Estimating the Standardized Precipitation Evapotranspiration Index Using Data-Driven Techniques: A Regional Study of Bangladesh. *Water*, *14*(11), 1764.

7. Mohammad Kamruzzaman, Shamsuddin Shahid, ARM Islam, Syewoon Hwang, Jaepil Cho, Md Zaman, Asad Uz, Minhaz Ahmed, **Md. Mizanur Rahman**, Md Hossain (2021). Comparison of CMIP6 and CMIP5 model performance in simulating historical precipitation and temperature in Bangladesh: a preliminary study. *Theoretical and Applied Climatology*, *145*(3), 1385-1406.

8. Md Anwar Hossen, Md Ruhul Amin Talukder, Muhammad Rashed Al Mamun, Hafijur Rahaman, Subrata Paul, **Md. Mizanur Rahman**, Md Miaruddin, Md Azhar Ali, Md Nurul Islam (2020). Mechanization status, promotional activities, and government strategies of Thailand and Vietnam in comparison to Bangladesh. AgriEngineering, 2(4), 489-510.

Language skills
- Bangla- native
- English - good

References

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I hereby declare that the above statements are correct and complete to the best of my knowledge.

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(Md. Mizanur Rahman)