



# Mohammed

Sylhet, Bangladesh

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## Education

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- **MSc in Forestry (2022)** CGPA: 3.68/4.00  
Shahjalal University of Science and Technology, Bangladesh  
*Thesis Title:* Assessing the vulnerability due to sea level rise and cyclone hazards in the Sundarbans Mangrove Forest of Bangladesh
- **BSc in Forestry (2019)** CGPA: 3.74/4.00  
Shahjalal University of Science and Technology, Bangladesh  
*Research Project Title:* Effect of transportation infrastructure on forest plant diversity and soil properties in Lawachara National Park, Bangladesh

## Work Experiences

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- **Research Assistant**  
Department of Forestry and Environmental Science, Shahjalal University of Science and Technology  
*Research Project:* Protecting ecosystem and livelihoods of the Sundarbans, a World Heritage site: Assessing the impact of natural hazards on the forest-based ecosystem services  
*Principal Investigator:* Dr. Mohammed Abu Sayed Arfin Khan  
*Duration:* Jan 2023 - Ongoing
- **Research Assistant**  
Asia-Pacific Network for Global Change Research  
*Research Project:* Protecting ecosystem and livelihoods of the Sundarbans, a World Heritage site: Assessing the impact of natural hazards on the forest-based ecosystem services  
*Principal Investigator:* Dr. Mohammed Abu Sayed Arfin Khan  
*Project Code:* CRRP2020-08MY-Srivastava  
*Duration:* July 2021 - Feb 2023
- **Research Consultant**  
Centre for Environmental and Geographic Information Services, Bangladesh  
*Duration:* February 2021- April 2021
- **Research Assistant**  
Department of Forestry and Environmental Science, Shahjalal University of Science and Technology  
*Research Project:* Examining the effect of soil properties and topography on tree biomass production in Satchari National Park  
*Principal Investigator:* Md Saifuzzaman Bhuiyan  
*Project Code:* FES/2020/1/04  
*Duration:* June 2020 - June 2021
- **Research Intern**  
Isabella Foundation, Bangladesh, *Duration:* July 2019

## Writing Experiences

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- **Mohammed**, Abdur Rakib Bhuiyan, Arshad Mia, Ananta Sarker, Ariful Khan, Effect of transportation infrastructure on forest plant diversity and soil properties in Lawachara National Park, Bangladesh. *Acta Ecologica Sinica*, 2021.
- Minhajur Rahman, **Mohammed** & Anup Datta, (2021). Ecological impact of forest trails in Khadimnagar National Park, Sylhet, Bangladesh. *Forestist*. 2021.
- **Mohammed**, Ariful Khan, Angana Kuri, Sohag Ahammed, Kazi Al Muqtadir Abir & Mohammed A.S. Arfin-Khan. A Google Earth Engine approach for anthropogenic forest fire assessment with remote sensing data in Rema-Kalenga Wildlife Sanctuary, Bangladesh. *Geology, Ecology, and Landscapes*, 2023.
- Sohag Ahammed, **Mohammed**, Tarek Aziz & Md Saifuzzaman Bhuiyan. Forest roads regulate native and exotic species diversity and adjacent soil properties in Lawachara National Park, Bangladesh. *European Journal of Forest Research (Accepted)*.
- Ariful Khan, Md. Rezaul Karim, **Mohammed**, Mohammad Golam Kibria, Sharif A. Mukul\*, Mohammed A.S. Arfin-Khan. Anthropogenic disturbance modifies tree functional trait distribution in the only remnant swamp forest of Bangladesh. *Frontiers in Ecology And Evolution (In Review)*.

## Technical Skills

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- MS Word, MS Excel, MS Powerpoint, Grammarly  
Remote Sensing and GIS Software: Google Earth Engine, ArcGIS, QGIS
- Programming Language: R, Javascript  
Remote Sensing and GIS Software: Google Earth Engine, ArcGIS, QGIS

## Standardized Test Score

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- GRE - 311 (Verbal - 156, Quant - 155, AWA - 3)
- IELTS - 7.5 (L - 7.5, R - 8.5, W - 7, S - 7)

## Referees

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- Md Saifuzzaman Bhuiyan, Assistant Professor, Department of Forestry and Environmental Science, Shahjalal University of Science and Technology, Bangladesh  
Email: bhuiyan09-fes@sust.edu
- Dr. Mohammad Redowan, Professor, Department of Forestry and Environmental Science, Shahjalal University of Science and Technology, Bangladesh  
Email: redowan-for@sust.edu