

## **Md Jawadul Gani**

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### **Educational Qualification:**

- ✚ Masters at the University of Delaware, USA majoring in “Energy and Environmental Policy.”  
-2022 to Present
- ✚ Bachelors at the Daffodil International University, Bangladesh majoring in “Environmental Science and Disaster Management.”  
- Passing year 2020  
- CGPA 3.73/4.00

### **Work Experience:**

- ✚ Graduate Research Assistant at “Evaluating floodplain buyouts: Understanding how voluntary property acquisitions affect participants” project by Disaster Research Center, University of Delaware; September 2022-Present.  
-Analyzing how property acquisitions in a flood-prone area affect participants and non-participants.  
-Investigating how participants make decisions about trade-offs across different outcomes.
- ✚ Operations Manager & Project Coordinator at “Unmanned Aerial System-Based Assessment of Tree Cover and Deforestation Dynamics in Bangladesh” by U.S. Agency for International Development (USAID); September 2017- June 2022.  
-Lobbied the “Bangladesh Drone Usage Act 2020”. The country’s first-ever drone use law.  
-Led a team of research personnel and coordinated with other teams and experts from home and abroad.  
-Administered a grant portfolio of \$185,000 and led the effort to create the most extensive mangrove forest dataset on earth.
- ✚ Field Investigator (Technical) at the research project on “Generalized Travel Cost Based on Travel Behavior and Traffic Congestion Level” Universiti Teknologi Malaysia (UTM); October 2015.  
-Supervised a group of field investigators of different levels of university students in the first year of undergrad education.  
-The group work was part of the research to contribute to the government’s effort to improve Dhaka’s commuting experience and communication network.

### **Honors and awards**

- ✚ National Champion, Best Use of Data, NASA Space App challenge, 2017.
- ✚ Bangladesh ICT award, Sustainability and Environmental Technology, 2017.

## Workshops and conferences attended

- ✚ Invited attendee (fully funded) to the **“Second Annual Workshop on Increasing Research Impact: Research Translation”** at the USAID Training Center (RDMA) in Bangkok, Thailand. Arranged by United States Agency for International Development (USAID) and the United Kingdom Research and Innovation (UKRI), in partnership with the United Nations Economic and Social Commission for Asia and the Pacific (ESCAP); *October 2019*.
- ✚ Participant at **“Techkriti-2017, IIT Kanpur”** as a member of the “Drone for Humanity” team; *March 2017*.

## Service

- ✚ Executive Secretary (Outreach and Training) at Daffodil International University Model United Nations Association (DIUMUNA), July 2016 - September 2017.

## Professional Organizations

- ✚ Wildlife Society, University of Delaware; October 2022- Present.
- ✚ Lovers of the Library, University of Delaware; October 2022- Present.
- ✚ Research Technical Assistance Centre (RTAC), USAID; November 2019- Present.

## Skillset

Team safety & management, Policy Lobbying, Grant Portfolio Management, Drone Imagery Acquisition and Processing using Pix4D, Agisoft Metashape, and CloudCompare UAV analysis software. And implying U.S. Forest Service Field Protocol for data collection campaigns.

## Language Skills

- Bangla: Fluent / Mother Tongue
- English: Full Professional Fluency (TOEFL 110/120)
- Hindi: Upper-Intermediate
- Urdu: Upper-Intermediate
- Arabic: Beginner

## Interests

- Public Policy & Administration
- Climate Change Adaptation & Sustainable Development
- Environmental Diplomacy and Carbon Trading
- Indigenous Strategies for Land Use and Management
- Clean Energy Transition

## **References**

**1. A.R. Siders, J.D., PhD**

Assistant Professor

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**2. Patrick E. Meyer, PhD**

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**3. Dr. Demetrios Gatzolis**

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