

Hasan Ahmed

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House No. 82, Dakshin Kanishail, Dhakadakshin, Golapgonj, Sylhet 3161, Bangladesh

Education

Shahjalal University of Science and Technology, Sylhet 3114, Bangladesh
Master of Science in Forestry (With Thesis)
Department of Forestry and Environmental Science
Thesis: "Assessing spatio-temporal changes in forest structural attributes at Lawachara National Park, Bangladesh."

July 2016
CGPA: 3.90/4.00
With Distinction
Class Position 4th

Shahjalal University of Science and Technology, Sylhet 3114, Bangladesh
Bachelor of Science in Forestry (Honours)
Department of Forestry and Environmental Science
Research Project: "Detecting tree richness hotspots using species area relationship to compare with land-covers and forest composition of Rema-Kalenga Wildlife Sanctuary, Habiganj, Bangladesh."

2014
CGPA: 3.52/4.00
Class Position 6th

Research Interest

Interested in the research on forest using new Remote Sensing and GIS tools. Particularly, I am interested in the research of the spatial and temporal change in forest vegetation cover, and land-use. Correspondingly, I would like to study the effect of climate change on the forest structure and resources.

Teaching Experience

Forestry Science and Technology Institute, Sylhet
Ministry of Environment, Forest and Climate Change, Bangladesh
Course Instructor

Aug 2017 – Jan 2018

Involved in the teaching for Forestry diploma courses. Conducted classes, labs, set assignment and exam on Forest Silviculture, Remote Sensing and Geographic Information System, and Forest Inventory courses.

Internship

Centre for Advanced Research in Natural Resources & Management, Dhaka
Field Assistant

Aug 2017 – Jan 2018

Participated in the field survey of saltwater crocodile survey in Sundarbans Mangrove Forest by collecting physical information of the crocodile, geolocation and the microclimatic data of the place they were found.

Creative Conservation Alliance, Dhaka
Research Intern

Oct 2015 – Dec 2015

Developed the distribution map of pythons in Bangladesh using GIS data. Created species distribution maps of pythons along with different forest types and water body.

Skills

RS-GIS Software:	Digital Mapping and Spatial data analysis using ArcGIS and QGIS software. Satellite imagery analysis, processing, classification and data extraction on ArcGIS, QGIS, ERDAS IMAGINE, and ENVI software.
UAVs Remote Sensing:	Generating 3D Dense Point Cloud, DEM, DTM, Multispectral and RGB Orthophoto mosaic, and Canopy Height Model from digital aerial photographs taken through UAVs using Agisoft Photoscan software.
Statistical Analysis:	Statistical Analysis and modelling for ecological studies using R, and SPSS.
Microsoft Office:	Microsoft Word, PowerPoint, Excel, Outlook and Access

Trainings and Workshops

Tailor-made training on the use of UAV Images and it's Applications in natural resource management of Bangladesh	Apr 2018
Conducted by: ITC Faculty of Geoinformation Science and Earth Observation, University of Twente, Netherlands	
Organized by: Bangladesh Centre for Advanced Studies, Gulshan-1, Dhaka, Bangladesh	
Workshop on Ecology, Status, and Conservation of Python and Tortoise; Radio Tracking of Pythons and Tortoise	Jun 2014
Organized by: Bangladesh Python Project	
Training on SPSS and MATLAB software	Sep 2013
Department of Forestry and Environmental Science, Shahjalal University of Science and Technology, Sylhet-3114, Bangladesh	

Presentations

Poster Presentations	Apr 2018
1) Orthophoto Mosaic Development of Forest Area from UAV Images.	
2) UAV Application for Forest Cover Types Classification: A Case Study from AIT, Thailand.	
3) UAV Application for Forest Carbon Estimation: A Case Study from AIT, Thailand.	
Conference: Capacity building for RS and GIS researchers on the use of UAV images and its application in food security, forestry, and mangrove. Dhaka, Bangladesh.	

Test Score

GRE overall Score	– 301 (Quantitative – 158, Verbal – 143)
Analytical Writing Score	– 3.5
IELTS Overall Band Score	– 7.5 (Reading – 8.5, Listening – 8.0, Speaking – 6.5, Writing – 6.5)