

# Dr. Mainul Islam

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Current Designation: Guest Lecturer

Department: Geography

Date of Joining: 27/11/2024

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## 1. Academic Qualifications (Master's degree onwards)

Degree	Institution	Year	Subject/Discipline	Remarks
M.SC.	Vidyasagar University	2016	Geography with specialisation in RS and GIS	First Class
Ph.D	Jadavpur University	2025	Geography	Awarded

## 2. Thesis Title

Ph.D./M.Phil Thesis Title: Groundwater Dynamics in Quaternary Alluvial Aquifers of the Purba Bardhaman district, West Bengal

## 3. Specialization and Area of Interests

Specialization: Remote Sensing and GIS

Area of Interests: Groundwater Hydrology (Alluvium), Disaster Management, RS and GIS, Fluvial Geomorphology and Geographical Thought

## 4. Teaching Responsibilities

Remote Sensing and GIS

Disaster Management

Fluvial Geomorphology

Geographical Thought

## 5. Research Project(s)

Title	Funding Agency	Role	Duration	Status
Assessment of Flood Susceptibility Using Social Engineering Approach	ICSSR	Research Assistant	8 months	Completed

## 6. Publications

### a. Research Papers in Journals

1. Can an annual flood induce changes in channel Geomorphology-Journal Article, (Natural Hazard), [Aznarul Islam, Mainul Islam, Biplab Sarkar, Susmita Ghosh].
2. Analysing trends and future sustainability of static water levels in the quaternary semi-confined alluvial aquifer of the Purba Bardhaman District, West Bengal, India-Journal Article (Papers in Applied Geography) [Mr. Mainul Islam, Dr. Arijit Majumder].
3. Identifying land use land cover dynamics and its impact on static water level fluctuations in shallow alluvial aquifers of the Purba Bardhaman plain, West Bengal, India-Journal Article (Environment Development and Sustainability) [Mr. Mainul Islam, Dr. Arijit Majumder].
4. Identifying the major drivers responsible for informal groundwater marketing strategies and its impact on shallow alluvium aquifers in the Khari river basin, West Bengal-Journal Article (Decan Geographers), [Mr. Mainul Islam, Moumita Nandi] (Under Review).

### b. Book chapters

1. Role of Human Interventions in the Evolution of Forms and Processes in the Mayurakshi River Basin-Book Chapter (Edited), Taylor and Francis, [Aznarul Islam, Suman Deb Barman, Mainul Islam and Susmita Ghosh].
2. Drainage Basin Hydrology-Book Chapter (Tropical Geomorphology) [Dr. Arijit Majumder, Mr. Mainul Islam] (Under Review).

## 7. Invited Lectures

Title of Lecture	Event	Organizing Institution	Date
Living at the critical juncture of climate extremities with abject water poverty	Departmental Webinar	Organised by Dept. of Geography,	26 <sup>th</sup> June 2020

and the COVID-19 pandemic-		Surendranath College	
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### 8. Oral/Poster Presentations

Title	Event	Type (Oral/Poster)	Date	Venue
NA	NA	NA	NA	NA

### 9. Conferences/Seminars Attended

Name of Event	Role (Participant/Presenter/Organizer)	Date	Venue
National Seminar on NEGOTIATING NATURE, CULTURE AND THE FUTURE	Presenter	28 <sup>th</sup> February, 2019	Presidency University
International Seminar on GEOGRAPHY AS SPATIAL SCIENCE: CONTEMPORARY ISSUES AND CHALLENGES	Presenter	8 <sup>th</sup> March, 2019	Aliah University
Conference on INTERNATIONAL GEOGRAPHICAL UNION (IGU)	Presenter	6 <sup>th</sup> March, 2020	The University of Burdwan
National Seminar by INDIAN INSTITUTE OF GEOMORPHOLOGIST (IGI)	Presenter	21 <sup>st</sup> January, 2021	West Bengal State University
International Seminar on CLIMATE CHANGE: ENVIRONMENTAL SUSTAINABILITY AND APPLICATION	Presenter	18 <sup>th</sup> January, 2023	Syed Nurul Hasan College

OF GEOSPATIAL TECHNOLOGY			
International Seminar on RECENT ADVANCEMENT IN GEOGRAPHICAL STUDIES: A MULTIDIMENSIONAL OUTLOOK	Presenter	1 <sup>st</sup> September, 2023	Rampurhat College

### 10. Workshops Attended

Name of Event	Role (Participant/Presenter/Organizer)	Date	Venue
Short-term course on FORTH BASIC COURSE ON REMOTE SENSING AND GIS	Participant	3 <sup>rd</sup> to 21 <sup>st</sup> June, 2019	NESAC
ROAD MAP OF FUTURE GEOGRAPHERS	Participant	26 <sup>th</sup> to 27 <sup>th</sup> March, 2019	Adamas University
Training on BASIC GROUNDWATER MODELLING	Participant	23 <sup>rd</sup> January, 2021	TGIS
Workshop on REMOTE SENSING APPLICATION ON AGRICULTURAL WATER MANAGEMENT	Participant	3 <sup>rd</sup> August to 7 <sup>th</sup> August, 2020	IIRS
Value-added course on BASIC APPLICATION OF PYTHON IN GEO SPATIAL ANALYSIS	Participant	22 <sup>nd</sup> September to 22 <sup>nd</sup> February, 2024	Aliah University
Certificate course on MACHINE LEARNING MULTIDIMENSIONAL OUTLOOK	Participant	4 <sup>th</sup> October, 2023 to 17 <sup>th</sup> November, 2023	NIELIT

**10. Membership in Academic Bodies**

NO

**11. Awards/Honours**

Award	Organization	Year	Description
Junior Research Fellow (UGC-JRF)	University Grant Commission	2017	Assistant Professor
State Eligibility Test (SET)	West Bengal College Service Commission	2015	Assistant Professor
Outstanding Paper Presentation Award in the 7th Regional Science Congress	Department of Science and Technology and Biotechnology, Govt. of West Bengal and Bidhan Chandra Krishi Viswavidyalaya	2025	Outstanding paper award
Outstanding Paper Presentation Award in the 32nd State Science and Technology Congress	Department of Science and Technology and Biotechnology, Govt. of West Bengal	2025	Outstanding paper award

**12. Patent/IPR/Copyright: NO****13. Administrative Responsibility: NO**