



**Department of Geography
Faculty of Sciences
Jamia Millia Islamia, New Delhi-25**

Advertisement for Recruitment of Research Associate (02), and Field Investigator (04)

Title of the Project: **Reduction of heat due to the presence of water bodies and tree cover**

Sponsor of the: **Ministry of Environment, Forest and Climate Change, Govt. of India**

Project PI: **Prof. Atiqur Rahman**, Dept. of Geography, Faculty of Sciences, Jamia Millia Islamia, New Delhi-25

Tenure of the post:

Research Associate: 8 months

Field Investigator: 4 months

Name of the Position	Number of Post	Fellowship
Research Associate	02	Rs. 58,000/ per month + HRA
Field Investigator	04	Rs. 18,000/ per month + HRA

A. Research Associate (No. of Post 1)

Essential Qualifications

Education: Ph.D. or M. Tech./M. Plan/M.Sc. with 3 years of research experience in the field of Urban Planning, Architectural Engineering (environmental planning), Environmental Engineering, Geoinformatics and Urban Climate and related discipline.

Essential Experience

- Working experience/Published work on **simulation of urban thermal environment**.
- ENVI-met Proficiency: Must demonstrate **advanced experience with ENVI-met**.

Desired Expertise

- Coding in Python (GeoPandas, Rasterio) & Google Earth Engine (GEE), Proficiency in ArcGIS/QGIS, Erdas Imagine.
- Experience with statistical analysis based on Machine Learning to link LST with urban morphological drivers.
- Familiarity with calculating heat stress indices like Heat Index, UTCI, or WBGT.

Academic Writing

- Demonstrated published research papers (evidence of peer-reviewed publications is a plus).

B. Research Associate (No. of Post 1)

Essential Qualifications

Education: Ph.D. or M. Tech./M. Plan/ M.A/M.Sc. Geography, Geology, Environmental Sciences/M.Sc. in Geoinformatics, Geomatics Engineering Urban Planning, Environmental Engineering, Civil Engineering, Environmental Science and related discipline (Minimum 3 years of research experience after masters)

Essential Experience

- Coding in Python (GeoPandas, Rasterio) and Google Earth Engine (GEE) and largescale spatial data analysis.
- Proficiency in ArcGIS, QGIS and Erdas Imagine.

Desired Expertise

- Familiarity with calculating heat stress indices like UTCI & Heat Index

Academic Writing

- Preference will be given to candidates with papers published in Scopus Indexed Journals in the application thermal & environmental remote sensing and related field.

C. Field Investigator (4 Positions)

Essential Qualifications

- **Education: M. Sc./M.A./M. Plan. /B. Tech./:** Environmental Science, Geography, Urban Planning, Civil/Environmental Engineering, Geoinformatics and related discipline/Dipl. in RSGIS/Geoinformatics
- **Experience:** Prior experience in field data collection, environmental monitoring, urban surveys will be given preference.

Desired Expertise (Aligned with Field Campaign)

- Hands-on experience with Thermal Cameras (Testo/FLIR), Weather Stations (Kestrel/Davis) and Pyranometers.
- Ability to set up tripods, log data accurately, and troubleshoot equipment in outdoor field conditions.

How to Apply

Interested candidates should send their detailed CV and relevant documents by **email latest** by **22.03.2026** & followed by hard copies by post:



Prof. Atiqur Rahman (PI)

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