




Abdul Waheed Shah



GIS and Remote Sensing Expert

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EDUCATION

PhD in Geoinformatics
Specialization: Atmospheric and Climate modelling
University of Kashmir, Srinagar India

 January 2016- December 2022  UOK, Srinagar



Masters in Geoinformatics
Specialization: Environmental Modelling
University of Kashmir, Srinagar India



 March 2011- April 2013  UOK, Srinagar | GPA: 7.10 |



WORK EXPERIENCE


JRF on Project System of Air Quality and
Weather Forecasting And Research
Project Sponsor: MOES, Govt. of India, IITM Pune
Dept. of Geoinformatics, UoK

 June 2014- August 2015  Kashmir, India
Scientific Administrative Assistant on Project Centre of
Excellence for Glacial Studies in Western Himalayas
Project Sponsor: DST, Govt. of India
Dept. of Geoinformatics, UoK

 July 2021- Nov 2022  Kashmir, India

Project Associate-I on Project Climate Change Impact
Studies.

Project Sponsor: DST Purse, Govt. of India
CIRI, University of Kashmir

 Dec 2020- Sep-2023  Kashmir, India

Project Associate-II on Project Centre of Excellence
for Glacial Studies in Western Himalayas
Project Sponsor: DST, Govt. of India
Dept. of Geoinformatics, UoK

 Sep-2023-Ongoing  Kashmir, India

PUBLICATIONS

 Journal Articles

- Romshoo, S. A., Murtaza, K. O., Shah, W., Ramzan, T., Ameen, U., & Hameed Bhat, M. (2021). *Anthropogenic Climate Change Drives the Melting of Glaciers in the Himalaya*. <https://doi.org/10.21203/RS.3.RS-1112748/V1>
- Murtaza, K. O., Romhoo, S. A., Rashid, I., & Shah, W. (2020). Geospatial Assessment of Groundwater Quality in Udhampur District, Jammu and Kashmir, India. *Proceedings of the National Academy of Sciences India Section A - Physical Sciences*, 90(5), 883–897. <https://doi.org/10.1007/s40010-019-00630-7>

 Conference Proceedings

- Waheed Shah, Shakil A. Romshoo, (2022). WRF-model for high resolution weather and climate simulations, *National Symposium on Advances in Weather and Climate Prediction and Climate Change Projection over South*.



- Asia: Applications in Water and Agriculture Sectors Bhopal
- Waheed Shah, Shakil A. Romshoo, (2020). *Air Pollution Modeling Over Very Complex Terrain (Kashmir Himalayas) Using Wrf-Chem- Sensitivity To Emissions And Evaluation Of Simulated Air Quality*, International Conference On Challenges Of Air Quality In Global Megacities Pune
- Waheed Shah, Shakil A. Romshoo, (2017) *Emission Inventory of Srinagar city, Kashmir, India Using Satellite and Ground Based Measurements*, 38th Asian Conference on Remote Sensing New Delhi.

RESEARCH INTEREST



GIS, Remote Sensing, NWP, Cryosphere, Climate change and GIS-based decision support system and Environmental Modelling

GIS MODELLING EXPOSURE

- Tourism carrying capacity modelling of Lidder valley Pahalgam, Anantnag India

 Sep 2012- March 2013  Srinagar, India

- Spatio-Temporal Modeling of Urban Road Traffic pollution

 June 2014- Aug 2015  Srinagar, India

Hands on Expertise

GPS

D-GPS

Terrestrial Laser
Scanner

HPC computing

Hi-Res Field
SpectroRadiometer

Trimble Total Station

STRENGTHS AND SKILLS

Inquisitive

Independent

Eye for detail

Determined

Perceptive

Innovative

Python

C

C#

Linux sh

FORTRAN

GIS Modelling

LiScan

Arc-Server

NWP Modelling

Climate Modelling

ERDAS Imagine

ENVI-IDL

Q-GIS

Global Mapper

GEE