

Academic Curriculum Vitae (CV)



Name: Ain us Saba Qazi

Contact Information:

- Address: Mallapora Ganderbal, 191201, Kashmir, India
- Email: ainussaba40@gmail.com
- Phone: 7006384583
- Gender: Female

Expertise and Career Summary: My research focus has been on the use of Remote Sensing and GIS for developing hydrological, land use land cover and climate change applications. I have made an extensive use of geometrics for watershed characterization in order to understand and model the land surface processes in the upper Jhelum basin.

Education:

- Integrated Ph.D. in Geoinformatics, Department of Geoinformatics, University of Kashmir, Srinagar, India (Ongoing) Topic: **An Integrated Modeling Approach to Assess the Present and Future Dimensions of Water Demand in the Jhelum Basin.**
- M.Sc. in Geoinformatics, University of Kashmir, Srinagar, India (September, 2017). Completed my M.Sc. thesis (Individually) entitled **Opportunity Mapping Using Geospatial Techniques**

Work Experience:

- **Junior Research Fellow (JRF)** June 2018 – June 2021 Department of Geoinformatics, university of Kashmir, Srinagar
- Worked on Land Degradation Modeling Project involving the development of a digital database on land, water, and other resources (including socio-economic aspects) at the habitat scale
 - Successfully implemented strategies for water demand assessment and climate change impact on water resources.

Research Skills/Interests:

- Sector-Wise Water Demand Assessment.
- Impact of Socioeconomic Change on Water Demand under Different Scenarios.
- Impact of Climate Change on Water Demand under Different Scenarios for Future Projections.
- Impact of Policy Interventions on Water Demand Scenarios.
- Stakeholder Engagement
- Water Demand Assessment
- Climate Change Impact Analysis
- Decision Support Systems for Water Resource Management

Software Skills:

- Proficient in Hydrology and its Applications.
- Experienced in using Erdas Imagine for Remote Sensing Analysis.
- Advanced user of ArcGIS for Geospatial Data Manipulation and Analysis.
- Skilled in utilizing Google Earth and Google Maps for Geospatial Visualization.
- Expertise in using google earth engine.
- Competent in QGIS for Geospatial Data Analysis and Mapping.
- Proficient in Land Use and Land Cover Studies.

Conference Papers/Workshops/Book Chapters:

- **Book chapter**, Desertification and Land Degradation Atlas of India (Assessment and analysis of changes over 15 years based on remote sensing), Space Applications Centre, ISRO, Ahmedabad, June 2021.
- Achieved **Best Presentation Award** in the 13th session of Jammu and Kashmir Science Congress from 2nd to 4th April 2018 for the presentation titled "Opportunity Mapping Using Geospatial Techniques."
- Presented **Paper** titled "Opportunity Mapping to Inform Development Planning at Village Level Using Geospatial Techniques" at the National Symposium on Advancements in Geospatial Technology for Social Benefits, Organized by Space Application Centre, ISRO, from 5th to 7th December 2018.
- Presented **Poster** entitled "Sector-Wise Water Demand Assessment of District Pulwama" at the National Symposium on "Innovations in Geospatial Technology for Sustainable Development with Spatial Emphasis on NER," organized by ISG and ISRS from 20th to 22nd November 2019.

Professional Membership:

- Lifetime Member of Indian Society of Geomatics India

References: Professor Shakil Ahmad Romshoo, Vice Chancellor Islamic University of Science and Technology, Awantipora, Kashmir Email: shakilrom1@yahoo.com