

## CURRICULUM VITAE

### PERSONAL INFORMATION

- i. Name : Jasia Bashir  
ii. Sex : Female

### iii. Addresses for Correspondence:

**Current Address** : Department of Planning & Geomatics, Islamic University of Science & Technology, Awantipora-192122  
**Permanent Address** : Tak Mohalla, Shopian, J&K, India-1923032  
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**Current Position:** Assistant Professor, Dept. of Planning & Geomatics, Islamic University of Science & Technology

**EDUCATION**

**PhD** **University of Kashmir**, Geoinformatics.  
*Thesis:* Changing Climate Scenario of J&K using Climate Models

**MS** **University of Kashmir**, Geoinformatics,  
*Dissertation:* Multi-model Comparison of GCM's over Jammu and Kashmir

**BS** **University of Kashmir**, Science, 2006-2010

**HONORS AND AWARDS**

- 1. WOS-A Fellowship**, Department of Science and Science and Technology (DST), Govt., of India.
- 2. Best Paper Award**, National Symposium in Advancement in Geospatial Technology for the Societal Benefits, Ludhiana Chapter (ISG-LC) and Punjab Remote Sensing Centre, Ludhiana, India., 2021
- 3. Best Paper Award**, International Conference on Sustainable Development Goals with special focus on Climate Action, 11-14, August, 2023, IUST, Awantipora, India

**RESEARCH EXPERIENCE**

- 1. Senior Project Associate**, Center of Excellence for Glacial Studies in Western Himalaya", Department of Geoinformatics, University of Kashmir from **23 August 2022 – 26 July 2024**.
- 2. Principal Investigator (PI)**, Changing Climate Scenarios of J&K using Climate Models, sponsored by DST-GOI under WOS-A from **06 May 2019 – 06 May 2023. Completed (3 Years)**
- 3. 10 Months** research experience as **Junior Research Fellow** on the project entitled "Integrated System dynamical model to design and Testing Alternative intervention strategies for Effective Remediation & Sustainable water Management for two selected river basins of

Indian Himalaya”, sponsored by MOES from 27 June 2017 to 05 May 2019.

4. **6 months** research experience as *Junior Research Fellow* on a project titled “**Assessing the impacts of changing climate on land-use land-cover and hydrology of Jhelum Basin**”, sponsored by MOES for a period of 6 months.
5. **6 months** research experience as *Research Assistant* at Department of Earth Sciences, University of Kashmir-190006 from 01 July 2014 to 31 December 2014.

## TEACHING EXPERIENCE

1. *Guest Faculty*, Department of Geoinformatics, University of Kashmir .

## PUBLICATIONS

### *Under Review*

1. Shakil A. Romshoo, Heena Shafi and Jasia Bashir (2024). Assessment of past and future drought occurrences over the Kashmir Himalaya (1981-2100) using ERA-5 Reanalysis data, observations and climate model simulations. *Science of Total Environment*. [IF:10.75] (In Press)
2. Tariq Abdullah, Shakil A. Romshoo and **Jasia Bashir** (2024). Quantifying changes in glacial mass balance and area under changing climate in Kashmir Himalaya. *iScience* [IF:6.24] (2<sup>nd</sup> review)

### *Published*

1. Shakil A. Romshoo, Tariq Abdullah and Jasia Bashir and (2025). Impacts of climate change on cryosphere and streamflows, Jan, M.Q., Shafique, M., Raynolds, B., Jan, I.U., Ghani, M. (eds) Indus Water System. National Centre of Excellence in Geology, University of Peshawar & Pakistan Academy of Sciences, Islamabad, Pakistan
2. Jasia Bashir and Shakil A. Romshoo (2023). Bias-corrected climate change projections over the Upper Indus Basin using multi-model ensemble. *Environmental Science and Pollution Research*, 162, 1473-1491. [IF:5.19]
3. Shakil A. Romshoo, **Jasia Bashir** and Irfan Rashid (2020). Twenty-first century-end climate scenario of Jammu and Kashmir Himalaya, India, using ensemble climate models. *Climatic Change*, 1-19. [IF:5.174]

### *Conferences: National/International*

1. **Jasia Bashir** & Shakil A. Romshoo, 2023. Climate Change Projections over Northwestern Himalaya. *3 Day International Conference on Sustainable Development Goals with Special Focus on Climate Action*, 11-14 August 2023, IUST, Awantipora, India. (*Best Paper Award*)

2. **Jasia Bashir** and Shakil Romshoo (2023). Climate Change Projections over Northwestern Himalaya. *International Climate Research Conclave (ICRC)*, 26-27 May 2023, IIT Bombay.
3. **Jasia Bashir** & Shakil A. Romshoo, 2022. Climate Change Projections over the Upper Indus Basin ending 21<sup>st</sup> Century. *National Symposium TROPMET-2022 organised by the Indian Meteorological Society on "Advances in Weather and Climate Prediction and Climate Change Projection over South Asia: Applications in Water and Agriculture Sectors"* from 29 November – 02 December 2022 at the Indian Institute of Science Education and Research Bhopal (IISERB), India.
4. **Jasia Bashir** & Shakil A. Romshoo, 2021. Climate change scenario over Upper Indus Basin ending 21<sup>st</sup> Century. *National Symposium on i-Geomatics: An Interated Technology to Empower Cities towards Self-reliant Nation* by Indian Society of Geomatics and Indian Society of Remote Sensing from 15- 17 December 2021 at Ludhiana Chapter (ISG-LC) and Punjab Remote Sensing Centre, Ludhiana, India. (*Best Paper Award*)
5. **Jasia Bashir**, Shakil A. Romshoo & Irfan Rashid, 2018. Multi-model comparative assessment of meteorological parameters from Global Circulation Models (GCMs) over Jammu & Kashmir state. *National Symposium in Advancement in Geospatial Technology for the Societal Benefits 2018* from 05-07 December 2018 at Space Application Center (SAC, ISRO) Ahmedabad India.
6. **Jasia Bashir**, Shakil A. Romshoo & Irfan Rashid, 2018. Multi-model comparison of temperature and precipitation from Global Circulation Models (GCMs) over Jammu & Kashmir state. *13<sup>th</sup> Session of Jammu & Kashmir Science Congress (JKSC 2018)* from 02-04 April 2018 at University of Kashmir, Srinagar, India.
7. **Jasia Bashir**, Shakil A. Romshoo & Irfan Rashid, 2017. Current and future climate zonation of Jammu and Kashmir based on observations and climate models. *Advancements in Space-based Earth Observations and services for Weather and Climate at International Tropical Meteorology Symposium (INTROMET-2017)* from 7-10 November 2017 at Space Application Center (SAC, ISRO) Ahmedabad India.
8. **Jasia Bashir**, Shakil A. Romshoo & Irfan Rashid, 2017. Climate zonation of Jammu & Kashmir under Changing Climate. *12<sup>th</sup> Session of Jammu & Kashmir Science Congress (JKSC 2017)* from 02-04 March 2017 at University of Jammu, Jammu, India.

## WORKSHOPS

1. **Resource Person: 3-Week Capacity Building Program in Glaciology**, CoE for Glacial Studies, University of Kashmir, Srinagar, India, 11 – 30 September 2023, sponsored by DST, GoI, New Delhi.
2. **Resource Person: 3-week “NGP-DST Winter School on Geospatial Technologies (Level-1)”** conducted from 1<sup>st</sup> December 2022 to 21<sup>st</sup> December 2022 at Department of Geoinformatics, University of Kashmir, Srinagar and supported by Department of Science and Technology, government of India, New Delhi.
3. One Day workshop on **“Role of Geoinformatics in Environmental Management with special reference to Kashmir Himalaya**, organized by ISG-Kashmir Chapter and Amar Singh College, Cluster university Srinagar on 6<sup>th</sup> June 2022 at Amar Singh College Srinagar.
4. **National Workshop on Popularisation of Remote Sensing Based Maps & Geospatial Information**, one-day workshop jointly organized by ISRS & ISRO on August 11, 2017.
5. **Water Resources-threats & Challenges: A way forward**, two-day workshop organized by the Department of Environmental Sciences, University of Kashmir, Srinagar during 22 and 23 March, 2017.

## PROFESSIONAL TRAINING

1. Six-week Training on Climate Model Downscaling under CORDEX from 13 January-20 February 2020 at Indian Institute of Tropical Meteorology (IITM), Pune, India.

## CERTIFICATE COURSES

1. Certificate course on **“An Introduction to the Science of Climate & Climate Change”** Online Course by Met Office Hadley Centre and University of Oxford on 26 September 2013.
2. Certificate course on **“Remote Sensing, Geographical Information System and Global Positioning System”** Off-Campus outreach certificate program conducted by Indian Institute of Remote sensing (IIRS), Indian Space Research Organization (ISRO), Department of Space, Government of India at EMMRC University of Kashmir from 06-08-2012 to 22-10-2012.
3. Certificate course on **“Geoweb- Services Technology and Applications”** Off-Campus outreach certificate program conducted by Indian Institute of Remote Sensing (IIRS), Indian Space Research Organization (ISRO), Department of Space, Government of India at EMMRC University of Kashmir from 11-02-2013 to 15-03-2013.

<b>MEMBERSHIP OF SCIENTIFIC SOCIETIES</b>	<ol style="list-style-type: none"> <li>1. Treasurer, Indian Society of Geomatics (ISG), Kashmir Chapter.</li> <li>2. Executive Member, Indian Meteorological Society (IMS), Srinagar Chapter</li> <li>3. Life member, Indian Society of Geomatics (ISG)</li> <li>4. Life member, Indian Meteorological Society (IMS)</li> </ol>
<b>LANGUAGES</b>	English, Kashmiri, Urdu and Hindi
<b>COMPUTER &amp; OTHER SKILLS</b>	<p><b>Programming:</b> Python, R, Matlab</p> <p><b>Applications:</b> MS Office (Word, Excel, Powerpoint and Access).</p> <p><b>Image processing and GIS application software:</b> ERDAS, ArcGIS and QGIS.</p>

*Jasia Bashir*