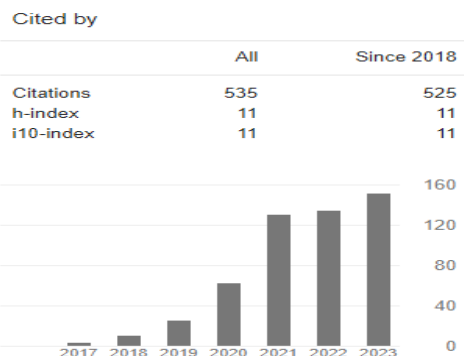


Curriculum Vitae



Dr. Hakim Farooq Ahmad Shah

Department of Geography and Disaster Management
University of Kashmir, Srinagar-190006, Jammu and Kashmir, India
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Research and Teaching Interests

My primary research interests are to address risks and vulnerabilities, consequences of multifaceted, sensitive and underlying, environmental hazards and to focus on the development of vulnerability assessment methodologies, vulnerability research as how they to be measured, monitored, and assessed, which makes people and the places where they live vulnerable to severe events.

My teaching interests revolve around Hydrology, environmental change, geomorphology, watershed management, natural hazards, and disaster risk. Having core interest in spatial science, I explore earth surface processes and the interplay of natural and social environment.

Educational qualifications

Degree/Diploma	Subject/ specialization	Year	Grade/Division	Institute
Post Graduation	Geography	2009	1 st	University of Kashmir
M. Phil	Geography	2013	1 st	University of Kashmir
Ph.D	Geography	2017	Awarded	University of Kashmir
Post Graduation	Disaster Management	2018	1 st	Annamalai University
P.G. Diploma	Disaster Management	2015	II	IGNO University
P.G. Diploma	Higher Education	2016	II	IGNO University
Diploma	Remote sensing and GIS	2017	1 st	IGNO University
B.Ed	Teaching of Social Science	2011	1st	University of Kashmir

Ph.D Research Problem

- **Flood Hazard Zonation and Vulnerability Assessment for Micro-Level Flood Management Planning of Kashmir Valley.**

Teaching Experience

- **Working as Assistant Professor (Contractual) in the Department of Geography and Disaster Management, University of Kashmir, Srinagar.**

(From March 2018 to present)

Research Experience

- Worked as Senior Research Fellow in Ministry of Earth Science (MoES) Govt. of India, Sponsored Research Project entitled “**Flood Hazard Evaluation and Vulnerability Assessment of Upper Jhelum Floodplain in Kashmir Valley**” (2015-2017)
- Associated with the Preparation of EIA and EMP of Pahalgam Development Authority, Anantnag District of Jammu and Kashmir, 2011.
- Associated with the Preparation of EIA and EMP of GDA (Gulmarg Development Authority), Baramullah District of Jammu and Kashmir, 2012.
- Associated with the Preparation of EIA and EMP of YDA (Yusmarg development Authority), Budgam District of Jammu and Kashmir, 2012.
- Associated with the Preparation of EIA and EMP of SDA (Sonamarg development Authority), Ganderbal District of Jammu and Kashmir, 2015.
- **Associated with the Preparation of EIA and EMP (Rehabilitation Plan) of NHPC Hydro-electric project Kishtawar Jammu and Kashmir, 2015.**

- **Research Degree Supervisions:**

❖ Masters (Dissertation) 50 (Completed)

Research Publication (Indexed and peer reviewed Journals)

- Alam A., Bhat M. S, Ahsan, S., Taloor A. K., Farooq H., (2023). Earth observation satellite data-based assessment of wetland dynamics in the Kashmir Himalaya, *Environ Monit Assess.* <https://doi.org/10.1007/s10661-023-12185-7>
- Ahsan, S., Bhat, M.S., Alam, A. Hakim F. (2023). Hydrological extremes and climatic controls on streamflow in Jhelum basin, NW Himalaya. *Theoretical and Applied Climatology* <https://doi.org/10.1007/s00704-022-04346-4>
- Ahsan, S., Bhat, M. S., Alam, A., Farooq, H., & Shiekh, H. A. (2022). Evaluating the impact of climate change on extreme temperature and precipitation events over the Kashmir Himalaya. *Climate Dynamics*, 58(5), 1651-1669.
- Lone, S. A., Jeelani, G., Alam, A., Bhat, M. S., & Farooq, H. (2022). Effect of Changing Climate on the Water Resources of Upper Jhelum Basin (UJB), India. In *Riverine Systems* (pp. 133-148). Springer.
- Ahsan S., Bhat M. S., Alam A., Ahmed N., Farooq H., Ahmad B (2021). Assessment of trends in climatic extremes from observational data in the Kashmir basin, NW Himalaya. *Environmental Monitoring and Assessment*, 193:649 <https://doi.org/10.1007/s10661-021-09439-7>
- Ahmad B., Alam A., Bhat M. S., Bhat K. A., Haq J. I., Farooq H., Qadir J. (2021). Retracing Realistic Disaster Scenarios from Archival Sources: A Key Tool for Disaster Risk Reduction. *International Journal of Disaster Risk Science* DOI: 10.1007/s13753-021-00363-5
- Ahmad, S. Alama, A., Ahmad, B., Afza, A. Bhat, M. I., Bhat, M. S., and Farooq, H. A., (2018), Tectono-geomorphic indices of the Erin Basin, NE Kashmir valley, *Journal of Asian Earth sciences*, 151: 16-30
- Ahmad, S. Alama, A., Ahmad, B., Afza, A. Bhat, M. I., Bhat, M. S., and Farooq, H. A., (2018), Geomorphic Indicators of Balapur Fault in Kashmir Basin and Kinematic Analysis with Respect to NW Himalaya
- Alam A., Bhat M. S., Kotlia B. S., Ahmad B., Ahmad S., Taloor A. K., Ahmad H. F. (2018). Hybrid tectonic character of the Kashmir basin: Response to comment on “Coexistent pre-existing extensional and subsequent compressional tectonic deformation in the Kashmir basin, NW Himalaya (Alam et al., 2017)” by Shah (2017). *Quaternary International*, 468 284-289. doi.org/10.1016/j.quaint.2018.02.010 (Impact Factor: 2.488)
- Alam, A. Bhat, M. S., Farooq, H. A.. And Sheikh, A. H, (2018), Flood risk assessment of Srinagar city in Jammu & Kashmir India, *International Journal of Disaster Resilience in the Built Environment* (3), DOI, 10.1108/IJDRBE-02-2017-0012
- Alam, A. Bhat, M. S., Kotlia, B. S. Ahmad, B. et.al. (2017), Coexistent pre-existing extensional and subsequent compressional tectonic deformation in the Kashmir basin, NW Himalaya, *Quaternary International* (Elsevier), 1-8.

- Alam, Rashid S.M, Farooq H., (2013) Geographical analysis of Air Pollution in Srinagar City with special reference to traffic congestion. *Jamia Geographical Studies, Jamia Miliya Islamiya University New Delhi Volume II.*
- Bhat, M. S. Alam, A. B., Ahmad.,...Kotlia B., Farooq, H. A, Taloor A., S.Ahmad. (2018), Flood frequency analysis of river Jhelum in Kashmir basin. *Quaternary International (Elsevier)*
- Farooq, H., Alam, A., Bhat, M. S., and Ahmad, S., (2016), One Dimensional Steady Flow Analysis Using HECRAS – A case of River Jhelum, Jammu and Kashmir, *European Scientific Journal*, 12(32): 340-350
- Farooq, H.A., Bhat, M.S., Alam, A. & Ahmad, S., (2016), Flood hazard Zonation and Vulnerability Assessment of greater Srinagar, J&K India, *International Journal of Advanced Research*. 4(12): 1679-1690
- Fayaz, S., Rather G.M., Naqshbandi. Z. K., Farooq, H, Parray. J.A. Shah, A. H. and Bhat, M. S., (2015), Physical Ecology of slums in Srinagar City, *International Journal of Recent Scientific Research* , 6, (12): 7972-7977.
- Naqshbandi, Z. K., Fayaz, S., Farooq, H., Rather, G. M. & Bhat, M. S., (2015), Socio-Economic Characteristics of Slums in Srinagar City J&K India , *Elixir Social Studies* 85 :34624-34630
- Shah A, Farooq H., Nengroo Z., Bhat M.S., (2013) Changing Land use and Cropping Pattern in Budgam District of Jammu and Kashmir – A Spatio-temporal Analysis, *International Journal of Scientific & Engineering Research*, Volume 4, Issue 2, ISSN 2229-5518.

Participation in Training Courses, Conferences and Workshops

- Participated in the one week **SAARC Training Programme on Children Safety including Children with Special Needs in South Asia** held at University of Kashmir From 6 to 12 November, 2013.
- Participated in the one month **DST Summer Training School program on Geo-Spatial Technology** Organized by JSS University Mysore. (July 2014)
- Participated & Presented Paper in UGC-SAP sponsored two day National Seminar on ***Flood Frequency Analysis of River Jhelum*** organized by Department of Geography and Regional Development, University of Kashmir, Srinagar.
- One week Workshop on ***“Research Methodology in Earth Sciences (Inter-Disciplinary)”*** under UGC-SAP jointly organized by Department of Geography and Regional Development and UGC-Academic Staff College, University of Kashmir, Srinagar.
- Participated and made an *ORAL* presentation in the 8th JK Science Congress on ***“Science, Technology & Regional Development: Opportunities & Challenges”*** held at University of Kashmir, Srinagar.

Participated in Three Day Workshop on Urban Earthquake Disaster Risk Reduction,
Organized by University of Kashmir in collaboration with National Disaster
Management Authority (NDMA) & Ministry of Earth Science, Government of India.

Participated and Presented a paper in International Conference on “***Environmental Issues and Sustainable Development***”, organized by Department of Geography, University of Jammu.

Participated in UGC-SAP Sponsored one week Seminar cum Workshop from 23rd February-1st March, 2013 on ***Application of Remote Sensing, GIS & GPS in Resource Management***, organized by the Department of Geography & Regional Development, University of Kashmir, Srinagar.

Participated and Presented paper in ***International Conference on Regional Development, Sustainability, Socio-Economic Development in Jammu & Kashmir*** from 5th-6th June 2013 Srinagar.

Participated and made an *ORAL* presentation in the **9th JK Science Congress 2013** and Regional Science Congress held at University of Kashmir from 1-3, 2013

Instrumental Proficiency:

- Real Time Kinematics Global Positioning System (RTKGPS)
- Differential Global Positioning System (DGPS)
- Electronic Total Station (Manual/Automatic)
- Auto Level

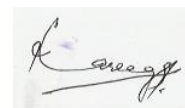
Computer Proficiency:

- One year diploma in Computer Proficiency from CIC Govt. of India.
- Geospatial Softwares: ArcGIS, Erdas Imagine, Arc View, ENVI, and Global Mapper.
- HEC-RAS, HEC-geoRAS, HEC-HMS, AutoCAD

Membership of Scientific Societies

- **Member:** Indian Institute of Geomorphologists (IGI).

Declaration: I hereby affirm that all the information in this document is correct and true to the best of my knowledge.



Hakim Farooq Ahmad