

CURRICULUM VITAE

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Qualifications

Degree	Year	Discipline/Field	Organization
Ph. D.	2023	Applied Geology	University of Kashmir, Srinagar
M.Sc.	2015	Applied Geology	University of Kashmir, Srinagar
B.Sc.	2011	Science (Geology, Zoology, Chemistry, English)	University of Kashmir, Srinagar
12 th	2008	Medical with Geology	JKBOSE, J&K
10 th	2006	General Subjects	JKBOSE, J&K

Area of Specialization: GPS Geodesy, Seismology, Seismotectonics, Geology, Geomorphology, Geotechnical studies, Remote Sensing and GIS.

PhD Topic: *Seismic Hazard Potential in Kashmir from GPS measurements of Crustal Deformation.*

[Advisor: **Dr. Bikram Singh Bali** (Professor and Head, Department of Earth Sciences, University of Kashmir, Srinagar and **Dr. Vineet Kumar Gahalaut** (Chief Scientist, GPS Group, CSIR-National Geophysical Research Institute, Telangana, Hyderabad)].

Software Knowledge: GAMIT/GLOBK, Seisan Seismology, ArcGIS, Rockworks, Matlab, Prism-pad, Grapher, Erdas Imagine, Rad explorer, Generic Mapping Tool, Global Mapper, Fault-Kin, Stereonet, Dips, Coral Draw, Surfer, Adobe Illustrator, Word, Excel, Power point.

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Tools/Machines Operating: Global Positioning System (GPS), Ground Penetrating Radar (GPR), Broadband Seismometer, Laser Distance Meter (LDM), Silver Schmidt Rebound Hammer, Direct Shear Strength Machine, PSD Hydrometer, Seismic Micro Tremor, and LED Fluorimeter.

Publications (International/National)

1. **Sareer Ahmad Mir**, Vineet Kumar Gahalaut, Ahsan Afzal Wani, Bikram Singh Bali (2023). Estimation of crustal strain in Kashmir Himalayan region of north India using continuous GPS measurements. *Geological Journal*, 58 (5), 1–10.
2. Reyaz Ahmad Dar, **Sareer Ahmad Mir**, Shakil Ahmad Romshoo (2019). Influence of geomorphic and anthropogenic activities on channel morphology of River Jhelum in Kashmir Valley, NW Himalayas. *Quaternary International*, 507, 333-341.
3. Nayeem Ahmad Bhat, Bikram Singh Bali, **Sareer Ahmad Mir**, Prakesh Kumar (2023). Seismotectonics and Seismogenesis of Kashmir Valley, NW Himalaya, India from a local seismic network. *Journal of Earth System Science*.
4. Bikram Singh Bali, Ahsan Afzal Wani, Gulam Rasool Bhat, **Sareer Ahmad Mir** (2021). GPR Investigation of Mining Induced Subsidence and its Effects on Surface Structures: A Case Study of Srinagar City, J&K, India, NW Himalayas, *Journal of the Geological Society of India*, 97 (7), 751-759.
5. Rakesh Chandra, Javid Ahmad Dar, Shakil Ahmad Romshoo, Irfan Rashid, Imtiyaz A. Parvez, **Sareer Ahmad Mir**, and Midhat Fayaz (2018) "Seismic hazard and probability assessment of Kashmir valley, northwest Himalaya, India. *Natural Hazards*, 93 (3), 1451-1477.

Book Chapters

1. Ahsan Afzal Wani, Bikram Singh Bali, **Sareer Ahmad Mir**, Gowher Mehraj (2022). Geospatial Modeling in Landslide Hazard Assessment, a case study along Bandipora-Srinagar Highway, NW Himalaya, J&K, India. 113-125, *CPR Press*.

Papers under Review

1. **Sareer Ahmad Mir**, Bikram Singh Bali, Muskan Nazir Dar, Ahsan Afzal Wani (2023). Seasonal and Secular variations in Crustal Deformation in Kashmir, northwest Himalaya, India,

using GPS observations. *Tectonophysics*, TECTO16493R1.

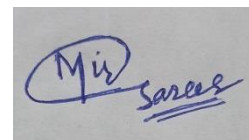
2. **Sareer Ahmad Mir**, Bikram Singh Bali, Ahsan Afzal Wani (2023). Assessing the Seismic Hazard Potential by estimating prolonged strain build-up in Kashmir Valley, Northwest Himalaya using GPS measurements. *Tectonophysics*, TECTO15726R1.
3. **Sareer Ahmad Mir**, Ahsan Afzal Wani, Bikram Singh Bali (2023). Fault system dynamics of the Kashmir Valley, northwest Himalaya, India, using GPS and geomorphic observations. *GPS Solutions*, 6a92b82f-1fb7-42e5-bb74-6794752eddda.

[Abstracts/Conferences/Workshops](#)

1. **Sareer Ahmad Mir**, Bikram Singh Bali, Ahsan Afzal Wani and Vineet Kumar Gahalaut. Crustal deformation revealed by GPS measurements in Kashmir, NW Himalaya, India and the resulting seismic hazard. *36th International Geological Congress*, 2-8 March 2020, Delhi, India.
2. **Sareer Ahmad Mir**, Rakesh Chandra, Shakil Ahmad Romshoo, Javid Ahmad Dar, Irfan Rashid, Imtiyaz Ahmad Parvez. Preliminary sedimentological and geotechnical investigations of sediments of Karewa Basin of Kashmir Valley: implication for seismic hazard assessment. *34th Convention, Indian Association of Sedimentologists*, Sant Gadge Baba Amravati, University; 19-21, December, 2017, Extended Abstract Volume.
3. **Sareer Ahmad Mir**, Rakesh Chandra, Shakil Ahmad Romshoo, Irfan Rashid, Imtiyaz Ahmad Parvez, Javid Ahmad Dar, Mohd Adil Bhat, Midhat Fayaz. Geotechnical study of sediments of Srinagar city: Implication for Seismic Hazard Assessment, Kashmir Valley, J&K, India. *13th JK Science Congress*, University of Kashmir; Srinagar, 17 – 19, April, 2018.

[Declaration](#)

I hereby declare that all the details furnished above are correct and trustworthy to the best of my knowledge.



SAREER AHMAD MIR