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Supervisor: Prof. Shakil Ahmad Romshoo

Co-supervisor: Dr. Irfan Rashid

Research Area: Glaciology



Research Interests:

My research interests include monitoring Himalayan Glaciers using state-of-the-art Earth observation data and ground observations. I am also interested in understanding the behaviour and interaction of glaciers with changing climate over the Himalayan region. I am currently working on glacial dynamics of Kashmir Himalaya employing remotely sensed data and extensive ground observations with special emphasis on glacier mass balance, velocity and ice-thickness estimation and change.

Publications:

1. Tariq Abdullah, Shakil A. Romshoo and Irfan Rashid (2020). The Satellite Observed Glacier Mass Changes over the Upper Indus Basin during 2000-2012. *Scientific Reports*, 10:14285 [IF:4.5]
2. Irfan Rashid, Tariq Abdullah, Neil F. Glasser, Heena Naz, Shakil Ahmad Romshoo (2018). Surge of Hispar Glacier, Pakistan, between 2013 and 2017 detected from remote sensing observations *Geomorphology*. [IF: 3.81]
3. Irfan Rashid, Shakil A. Romshoo, Tariq Abdullah. (2017). The Recent Deglaciation of Kolahoi Valley in Kashmir Himalayas, India under the Changing Climate, *Journal of Asian Earth Sciences*, 138-38-50 [IF:3.05]
4. Irfan Rashid and Tariq Abdullah. (2017). Investigation of temporal change in glacial extent of Chitral watershed using Landsat data: a critique. *Environmental Monitoring and Assessment*, 188(10), 546. [IF:1.974]
5. Irfan Rashid, Shakil A. Romshoo, Javid Ahmad Hajam and Tariq Abdullah. (2016). A Semi-Automated Approach for Mapping Geomorphology in Mountainous Terrain, Ferozpora watershed (Kashmir Himalayas), *Journal of Geological Society of India*, 88(2), 206-212. [IF:0.899]