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Supervisor: Prof. Shakil Ahmad Romshoo

Research Area: Hydrology



Research Interests:

My main research interests are in using remote sensing and GIS in the field of hydrology. Currently, I am working on understanding the past and future water budgeting in Jhelum basin using models under changing LULC, Climate and demography. I am also interested in understanding the complex linkages between various physical and social parameters and simplifying them by using Remote sensing, GIS and field data.

Publications:

1. Shakil Ahmad Romshoo, Reyaz A. Dar, Irfan Rashid, Asif Marazi, Nahida Ali and Sumira Zaz (2015). Implications of Shrinking Cryosphere under Changing Climate on the Stream flows of the Upper Indus Basin. *Arctic, Antarctic and Alpine Research*, Vol. 47(4): 627-644. (IF: 1.78).
2. Nahida Ali and Shakil Ahmad Romshoo (2015). *Streamflow Changes and Glacier Recession in Upper Indus Basin. Geostatistical and Geospatial Approaches for the Characterization of Natural Resources in the Environment*, Published by: Springer International Publishing. ISBN: 978-9381891-25-4.
3. Nahida Ali and Shakil Ahmad Romshoo (2015). Streamflow Changes of Ferozpur Watershed in the Upper Indus Basin, Kashmir Himalayas. *Journal of Himalayan Ecology and Sustainable Development*. Vol 10. (2015).
4. Shakil Ahmad Romshoo, Nahida Ali and Irfan Rashid (2011). Geoinformatics for characterizing and understanding the spatio-temporal dynamics (1969-2008) of Hokarser wetland in Kashmir Himalayas. *International Journal of Physical Sciences*, Vol. 6(5): 1026-1038. (IF: 0.36).