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Supervisor: Prof. Shakil Ahmad Romshoo

Research Area: Agro-Climatology

Research Interests:

The key research interest is to assess the spatio-temporal changes of Horticulture sector in Kashmir valley using Remote sensing approaches which involves the usage of high-resolution Earth observation data. The main focus is to evaluate climate change in the region and to simulate the effect of the physical medium and crop management schedule variations on crops under current and futuristic climate scenarios on crop production using different modeling approaches.

Publications:

- Alam, A., Bhat, M. S., & Maheen, M. (2019). Using Landsat satellite data for assessing the land use and land cover change in Kashmir valley. GeoJournal, 1-15.
- Maheen, M., Mattoo, D. (2019). Statistical evidence of climate variability in Upper Jhelum catchment. *Contemporary Issues in "Engineering, Agriculture, Applied Sciences and Humanities (EAH–2019)*. NIT, Srinagar, Jammu and Kashmir, India.