



## Advanced Modelling in Water Resources Using GIS and Remote Sensing Techniques

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### Message from the Guest Editors

Remote sensing data play an important role in the hydrological scientific community, mainly for overcoming and compensating for the limitations of observed data at regional and global scales. Currently, remotely-sensed data are being used in many applications related to water resources, such as rainfall, soil moisture, evapotranspiration, drought risk, water runoff-erosion modelling, groundwater, landslide, surface water inventory, and snowmelt runoff forecasts.

Papers showing novel and/or relevant techniques to study water resources management or some interesting applications in all subfields of the hydrological sciences will be considered. Well-prepared review papers are also welcomed.

Topics of interest may include, but are not limited to:

- Droughts and Water availability
- Evapotranspiration estimation and Hydrologic modeling
- Land use predicting
- Snow cover and glacial lands
- Water resources management
- Groundwater mapping
- 3D mapping, Drone and high resolution images
- Classifications and applications using Drone images