



## Applications of Satellite Geodesy in Hydrology, Glaciology, and Oceanography

Guest Editors:

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Deadline for manuscript  
submissions:

**closed (30 September 2023)**

### Message from the Guest Editors

Dear Colleagues,

In a changing climate, terrestrial water redistribution, glacier and permafrost degradation, and sea level rise are major challenges to the world's sustainable development. Geodetic techniques such as GNSS, gravimetry, altimetry, InSAR, and GNSS interferometric reflectometry (GNSS-IR) have exhibited great potential in monitoring changes in terrestrial water storage, soil moisture storage, groundwater level, surficial water level, permafrost, and glacier and ice sheet mass and volume.

This Special Issue aims to incorporate satellite geodetic applications to hydrology, glaciology, solid Earth deformation, oceanography, and atmosphere. We invite papers that creatively use satellite geodetic techniques to monitor and understand regional or global hydrological processes, glacial and permafrost changes, and sea level changes in response to climate change. We also invite papers that introduce influential scientific missions for future satellite-based Earth observation systems.





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