

## Special Issue

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

### Message from the Guest Editors

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.

### Guest Editors

Dr. Bao Zhang

Prof. Dr. Liming Jiang

Prof. Dr. Qiujie Chen

### Deadline for manuscript submissions

closed (30 September 2023)



## Remote Sensing

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Impact Factor 4.1  
CiteScore 8.6



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### Message from the Editor-in-Chief

*Remote Sensing* is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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### Editor-in-Chief

Dr. Prasad S. Thenkabail

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