



Applications of Satellite Geodesy in Hydrology, Glaciology, and Oceanography

Guest Editors:

Dr. Bao Zhang

Prof. Dr. Liming Jiang

Prof. Dr. Qiuji Chen

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.





an Open Access Journal by MDPI

Editor-in-Chief

Dr. Prasad S. Thenkabail

Senior Scientist (ST), U. S.
Geological Survey (USGS), USGS
Western Geographic Science
Center (WGSC), 2255, N. Gemini
Dr., Flagstaff, AZ 86001, USA

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubAg, GeoRef, Astrophysics Data System, Inspec, dblp, and other databases.

Journal Rank: JCR - Q1 (*Geosciences, Multidisciplinary*) / CiteScore - Q1 (*General Earth and Planetary Sciences*)

Contact Us

Remote Sensing Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/remotesensing
remotesensing@mdpi.com
[X@RemoteSens_MDPI](https://twitter.com/RemoteSens_MDPI)