Special Issue

Remote Sensing for Improved Understanding of Land Surface, Hydrology, and Water Quality

Message from the Guest Editors

The goal of this special issue is to aggregate contributions (original research and review articles) that use remote sensing data for improved representation of the land surface, hydrology, and water quality. High-quality articles involving any of these approaches, e.g., GIS analyses, hydrologic modeling, and machine learning will get priority. Potential topics include, but are not limited to, the following:

- Advanced techniques, machine learning algorithms, Google Earth Engine applications, and any associated data integration workflows;
- High-resolution mapping and monitoring of surface water storage systems, including reservoirs, wetlands, river corridors, and other landscape water storage features;
- Improved water balance simulation via assimilation of remotely sensed precipitation, evapotranspiration, leaf area index, soil moisture, snow water equivalent, and streamflow
- Flood and drought hazard forecasting, mapping, and management;
- Water use, crop yield assessment, and water quality management in agricultural landscapes;
- Next-generation remote sensing techniques (e.g., Unmanned Aerial Vehicles) for improved representation of landscape features.

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2021)

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About the Journal

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.

Editor-in-Chief

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