Special Issue

Remote Sensing Approaches to Groundwater Resource Assessment and Sustainable Management

Message from the Guest Editors

Remote sensing applications in groundwater-relevant studies remain challenging and cover various technical and scientific disciplines. These challenges include sensors, data fusion, data validation, models, and investigations relevant to groundwater resource exploration, management, and associated groundwater-induced hazards, and environmental and ecological impacts. Topics welcome in this Special Issue include, but are not limited to:

- Monitoring and management of groundwater resources;
- Quantification of groundwater recharge and discharge;
- Assessment of near-surface water interactions;
- Evaluation of groundwater use and human activities;
- Development of groundwater potential maps;
- Monitoring of groundwater storage and water balance;
- Quantification of near-surface water interactions by using integrated machine learning models and remote sensing data;
- Development of vulnerability maps for water quality;
- Fusion of remote sensing data for high-resolution environmental monitoring;
- Land subsidence monitoring;
- Groundwater and geohazards;
- .....

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Message from the Editorial Board

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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