

Special Issue

Integrating Remote Sensing in Land Surface Monitoring and Agricultural Applications

Message from the Guest Editors

This Special Issue addresses many aspects, including soil mapping and spatial modeling of land surface characteristics, precision agriculture, geostatistics, machine learning, and development of software tools for data collection and processing. Contributions include the following:

- Mapping and spatial modeling of soil properties using GIS and remote sensing;
- New GIS and remote sensing approaches in agricultural applications that make use of machine and deep learning algorithms;
- Advances in remote sensing techniques to provide (time series of) spatially distributed soil moisture data;
- Applications of remotely sensed soil moisture data including data assimilation and disaster assessment;
- Approaches for the harmonised processing of data coming from different sensors to construct longer, coherent, soil moisture records;
- Studies using data assimilation, e.g., into hydrological models, plant growth models or discussing concepts;
- Retrieval algorithms, in particular using multi-wavelength, active and passive data, both based on physical models and data-driven methods;

Guest Editors

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Prof. Dr. Maruthi Sridhar Balaji Bhaskar

Dr. Yang Lu

Deadline for manuscript submissions

closed (31 December 2023)



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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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