

Special Issue

Cross-Platform Remote Sensing for Enhanced Land Surface Characterization

Message from the Guest Editors

The focus of this Special Issue is to promote novel synergistic cross-platform approaches to advance retrieval capabilities and enhance the versatility and robustness of retrieved biophysical properties. We will be accepting submissions within the following broadly-defined topics:

- Multi-sensor integration and data fusion to enhance the spatiotemporal resolution of retrievable surface properties (e.g., spectral vegetation indices, vegetation traits, land surface temperature, soil moisture).
- Adaptation of models and retrieval algorithms to take advantage of cross-sensor synergies in sensor observations across the electromagnetic spectrum (e.g., visible to shortwave infrared, sun-induced fluorescence, thermal, microwave) in order to improve land surface monitoring and modeling.
- Combination of observations from multi-scale platforms (e.g., geostationary, polar-orbiting, UAVs, proximal) to advance retrieval capability and enhance retrieval robustness.
- Advancing the use of machine-learning for analyzing and interpreting multi-sensor data streams.
- Advancing the use of data assimilation to take advantage of multi-sensor and multi-resolution data streams.

Guest Editors

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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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