Special Issue

Advances in Satellite and Ground-Based Polarimetric Remote Sensing and Applications in Atmosphere, Ocean and Land Surface Detections (Second Edition)

Message from the Guest Editors

The aim of this Special Issue is to disseminate recent developments in satellite and ground-based polarimetric remote sensing. Papers with new ideas and results of diverse aspects of polarimetric remote sensing, including theory, instrumentation, calibration and validation, algorithms, and comprehensive applications in atmosphere, ocean, and land surface detections are all welcome. Potential topics include, but are not limited to, the following:

- Improvement of satellite and ground-based polarimetric instrumentation;
- Polarimetric sensor calibration and data validation;
- Polarimetric remote sensing of atmospheric aerosols and clouds;
- Polarimetric remote sensing of ocean and land surface;
- Understanding of atmosphere–ocean–land system based on comprehensive observations.

This Special Issue is the second edition of "Advances in Satellite and Ground-Based Polarimetric Remote Sensing and Applications in Atmosphere, Ocean and Land Surface Detections". Experts and scholars in related fields are welcome to submit their original works to this Special Issue.

Guest Editors

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Deadline for manuscript submissions

closed (30 April 2025)

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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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