Special Issue

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

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 of this Special Issue" Advances in Satellite and Ground-based Polarimetric Remote Sensing and Applications in Atmosphere, Ocean and Land Surface Detections" include, but are not limited to:

- Development of theory of polarimetric remote sensing;
- Vector radiative transfer model;
- Improvement of satellite and ground-based polarimetric instrumentation;
- Polarimetric sensor calibration and data validation;
- Polarimetric data and image processing;
- Advanced polarimetric retrieval algorithms;
- 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.

Guest Editors

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Deadline for manuscript submissions

closed (31 October 2023)

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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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