Special Issue

Aerosol–Cloud–Precipitation Interaction: Challenges and Advances

Message from the Guest Editors

This Special Issue aims to showcase the latest research that utilizes remote sensing to enhance our understanding of aerosols, clouds, and their interplay. We welcome contributions on methodological breakthroughs, observational findings, and comprehensive strategies to quantify aerosol-cloudclimate connections. Research areas could include the creation of innovative retrieval algorithms, synergy across multiple platforms (including satellite, UAV, and ground-based systems), and the utilization of emerging technologies such as hyperspectral sensors, lidar, and radar. We welcome original research, reviews, and case studies covering, but not limited to, the following topics:

- Aerosol optical properties and radiative effects;
- Cloud physical characteristics and microphysical processes;
- Mechanisms of cloud-aerosol interactions;
- Spatiotemporal distribution characteristics of aerosolcloud systems;
- Impacts of aerosols and clouds on climate;
- Application of remote sensing technology in aerosol and cloud research;

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Deadline for manuscript submissions

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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 peerreview 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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