Special Issue

Remote Sensing of Aerosols, Planetary Boundary Layer, and Clouds

Message from the Guest Editors

In the field of atmospheric research, a comprehensive understanding of aerosols, the planetary boundary layer (PBL), and clouds holds significant importance. Over the past several decades, the field of remote sensing has seen remarkable evolution, particularly due to advancements in LiDAR and radar technologies, satellite imagery, and ground-based measurements. These innovations have exponentially amplified our capacity to study and understand atmospheric phenomena. This Special Issue invites cutting-edge research utilizing remote sensing in the study of aerosols, the PBL, and clouds. The goal is to foster dialogue, encourage multidisciplinary approaches, and accelerate the progress achieved in this vital area of atmospheric science. Article themes may include, but are not limited to, the following:

- Aerosol properties and distributions;
- PBL dynamics and interactions with clouds;
- Cloud characteristics and classification;
- Advances in remote sensing algorithms for aerosol, PBL, and clouds;
- Interactions between aerosols and PBL;
- Application of artificial intelligence in atmospheric studies.

Guest Editors

Dr. Tianning Su

Dr. Changqing Lin

Dr. Pengguo Zhao

Dr. Jing Wei

Deadline for manuscript submissions

closed (15 July 2024)

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

Dr. Prasad S. Thenkabail
Senior Scientist (ST), U. S. Geological Survey (USGS), USGS Western Geographic Science Center (WGSC), 2255, N. Gemini Dr., Flagstaff, AZ 86001, USA

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