Special Issue

Editorial Board Members' Collection Series: Recent Progress in Atmospheric Remote Sensing

Message from the Guest Editors

Remote sensing techniques enable the estimation of aerosol optical properties and particle size distribution. Observations and retrievals, as well as numerical model simulations, can lead to better assessments of aerosols' impact on the Earth's energy budget through temperature patterns and other physical parameters such as particle spectral mean size. The aim of this collection is to highlight (1) recent technologies being used in atmospheric remote sensing of aerosols, and (2) how these new observing systems' measurements can be used in the analysis of cloud and climate systems, as well as ecosystems. We are especially interested in articles focused on new applications and technologies in

- Satellite based aerosol observations and systems;
- Remote sensing platforms, retrieval techniques, and aerosol analysis;
- Aerosol in situ sensors/observations;
- Lidar observations;
- Polarimetry;
- Aerosol–cloud interactions;
- Neural networks and AI;
- Aerosol impact assessment related to climate change and weather.

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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