Special Issue

Remote Sensing for Cloud, Aerosol, Radiation, and Precipitation Interactions

Message from the Guest Editors

The interactions between aerosol, cloud, radiation, and precipitation involve complex physical and dynamic factors. While previous studies have made significant strides in understanding these interactions, such as the relationships between cloud–precipitation on temporal and spatial scales, some interactions exhibit sign changes, such as the aerosol–cloud indirect radiative effects. Therefore, it begs the question: can we leverage existing measurements to investigate outstanding issues? Furthermore, can we propose future experiments that would enable us to quantify these interactions more accurately? The objective of this Special Issue is to invite papers that enhance comprehension of aerosol–cloud–radiation and/or aerosol–cloud–precipitation interactions through observational data. The suggested topics include (1) the impact of aerosol above boundary-layer clouds on radiative interactions over ocean and land, (2) aerosol impact on the stratocumulus-to-cumulus transition, (3) the process of the aerosol–cloud–precipitation transition, and (4) utilizing observational data to constrain model simulations related to all the above

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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.

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