Special Issue

Advances in Remote Sensing Observation of Aerosol Properties and Assessment of Their Effects

Message from the Guest Editors

Aerosols are a crucial component of the atmosphere, significantly impacting climate change, air pollution, material transport, and ecological environments. obtaining the spatial distribution of aerosol parameters on a large scale or even a global scale based on satellite remote sensing is very important. In this Special Issue, we focus on the use of remote sensing measurement techniques, including satellite-, aircraft- and ground-based measurements, to study the spatiotemporal variation characteristics of aerosol properties in key global regions. The goal is to provide a valuable resource for the community by organizing the latest contributions to the study of aerosol properties. We are soliciting contributions on the optical, physical, and chemical properties of aerosols inferred from remote sensing observations and related optical techniques, as well as the spatiotemporal variations in these properties in key regions, emphasizing the processes leading to such observed differences, including the influence of meteorological conditions and large-scale weather systems. In short, all contributions that enhance our understanding of aerosol properties are all welcome.

Guest Editors

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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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