Special Issue

New Insights into the Investigation of Atmospheric Aerosols from Remote Sensing Measurements

Message from the Guest Editors

Atmospheric aerosol remains one of the largest sources of uncertainty for climate models. The main reason for that stems from the lack of an appropriate spatial and temporal characterization of the aerosol. Vertical information on aerosol properties is crucial to quantify the aerosol direct effect but also for a better understanding of aerosol-cloud interactions (indirect effect). In recent years, huge efforts have been made in order to develop new algorithms and find new strategies to improve this aerosol characterization. In addition, networks such as EARLINET, AERONET or E-Profile have achieved a better spatial and temporal coverage of aerosol properties. This Special Issue aims to bring together the latest retrieval techniques, highlight new aerosol property datasets, and explore the potential of the synergy of different instrumentation to improve aerosol products. Advanced active and passive instruments (such as lidar, sun-photometers, and others) and related retrieval algorithms for ground-based and space-based observation are all encouraged.

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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