Special Issue

Lidar Monitoring of Aerosols and Clouds

Message from the Guest Editors

Lidar systems have become a well-established instrumentation deployed around the world, and they also form part of global/regional networks, for characterizing and monitoring both aerosols and clouds with high vertical and time resolution. This Special Issue welcomes the submission of studies covering the use of different lidar systems and their lidar-based methodologies to improve our understanding of aerosol and cloud research, including their interactions and atmospheric impact. Topics of interest include climate-relevant aerosol events (dust intrusions, intense forest fires, volcanic eruptions, marine environments, bioaerosols) and cloud occurrence (special emphasis on cirrus clouds), separately, as well as more comprehensive studies on ACIs, including cloud condensation nuclei (CCN) and ice-nucleating particle (INP) issues. Their radiative impact in the atmosphere should also be considered. Articles may address, but are not limited to, the following topics:

- Aerosol optical and microphysical properties;
- Cloud detection and characterization;
- CCN and/or INP studies;
- Aerosol and cloud radiative effects.

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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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