Special Issue

Advances in Atmospheric Aerosol Monitoring Based on Lidar and Satellites

Message from the Guest Editor

Recent advances in LiDAR and remote sensing satellites have revolutionized the way we observe and understand atmospheric aerosols. Aerosols play a crucial role in climate regulation, air quality, and human health, yet their variability and impact remain challenging to characterize due to their complex spatial and temporal distributions. LiDAR, with its ability to provide high-resolution vertical profiles, has become an invaluable tool for aerosol monitoring, while remote sensing satellites offer large-scale, vertical observations that are essential for understanding aerosol transport and distribution globally. This Special Issue aims to bring together studies that leverage LiDAR and remote sensing satellites for atmospheric aerosol monitoring. We encourage submissions that demonstrate diverse uses of these technologies across different atmospheric conditions, scales, and regions. The objective is to foster a deeper understanding of aerosol properties, their spatial and temporal dynamics, and their effects on climate and air quality.

Guest Editor

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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.

Editor-in-Chief

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