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Remote Sensing Monitoring Aerosols and Its Effects on Atmospheric Radiation

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Deadline for manuscript submissions:
closed (30 September 2021)

Message from the Guest Editors

By now, a very large number of remote sensing observations of aerosol has been deployed, and many aerosol products have been developed based on the available measurements and successfully used in various scientific applications. However, the desirable completeness and accuracy of aerosol information do not yet appear to have been reached, due to high complexity of aerosol properties and various challenging issues with the acquisition and interpretation of aerosol observations. Thus, we encourage submissions focusing on applications of the aerosol radiative effect based on remote sensing observations, including but not limited to:

- Development of advanced aerosol remote sensing equipment
- Improvement on quantitative high-precision retrieval method on satellite-based or ground-based
- New method for radiation calibration of aerosol sensors
- Combination of multisource observation data, optimization, and application of the radiative transport model
- Advanced analysis of existing archives of aerosol observations and near-real-time aerosol monitoring
- Instrumental and methodological developments for future aerosol missions

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Special Issue

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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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