Special Issue

Remote Sensing of Atmospheric Aerosols

Message from the Guest Editors

This special issue aims to highlight the advances in the topic of “remote sensing of atmospheric aerosols”. We encourage submissions of research papers and review articles focusing on theoretical investigations, retrieval algorithm developments, and corresponding applications relevant to aerosol remote sensing, including but not limited to:

- Radiative transfer modeling, particle scattering measurements and modeling
- Development of aerosol retrieval algorithms and evaluation of aerosol products for various (i.e., passive and/or active) satellite, airborne, and/or ground-based remote sensing instruments
- Application of remote sensing observations to characterize aerosol properties, to constrain aerosol emission estimates, to improve air quality monitoring and forecast, or to quantify aerosol climate forcing in various temporal and spatial (e.g., global, regional, or episodic) scales
- New missions and instruments: Aerosol remote sensing instrument development, deployment, and calibration

Guest Editors

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Deadline for manuscript submissions

closed (2 December 2021)

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About the Journal

Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

Editor-in-Chief

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