Special Issue

Satellite Remote Sensing of Atmospheric Composition and Monitoring Spatiotemporal Variabilities

Message from the Guest Editors

Monitoring the change in the atmospheric composition at varying spatial and temporal scales using satellite retrievals is one of the keys to promoting our understanding of the Earth–Atmosphere system. Satellite data have been serving as important observational information to understand satellite behavior in the atmosphere, through the capturing of their emissions status and atmospheric fates. Based on the accumulation of the satellite dataset, a trend analysis of atmospheric composition can provide us with an idea of their variations over long-term periods. Additionally, satellite measurements can also help us to understand the short-term dramatic variations in atmospheric composition during specific events such as the economic recession and the restrictions of human activities during COVID-19.

This Special Issue is calling for scientific papers which contribute to understanding of the variations of atmospheric composition based on the satellite retrievals both for long- and short-term time periods. Contributions on the improvements on retrieval algorithms toward the precise monitoring of the atmospheric composition are also welcomed.

Guest Editors

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Deadline for manuscript submissions

closed (31 July 2022)

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/84106

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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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