Special Issue

Remote Sensing of Air Quality, Climate Change and Their Interactions

Message from the Guest Editors

The climate is one of the critical factors driving air quality. Remote sensing technologies such as satellites or LiDARs offer a unique and powerful tool for studying the climate–air quality interaction as the technologies allow for the collection of detailed data on atmospheric conditions at multiple scales, providing insights into the spatiotemporal dynamics of atmospheric systems. This Special Issue aims to provide an overview of the remote sensing applications for the study of climate–air quality interactions, and the future outlook and perspectives. Articles may address, but are not limited, to the following topics:

- Climate change observation and modelling;
- Aerosol–radiation–cloud interaction;
- Wildfire and climate change;
- Biomass burning—past and future;
- Haze and weather interaction and impacts;
- LiDAR application in air quality;
- Satellite retrieval of surface air quality;
- Ozone and heatwaves;
- Data assimilation in air quality projection;
- Artificial intelligence (AI) application in remote sensing for air quality assessment;
- New remote sensing tools for air quality monitoring;
- Public health.

Guest Editors

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Dr. Jingyu Wang

Dr. Tao Huang

Deadline for manuscript submissions

closed (20 February 2024)

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About the Journal

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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