



Remote Sensing of Air Quality, Climate Change and Their Interactions

Guest Editors:

Dr. Steve Hung Lam Yim

Dr. Christopher E. Sioris

Dr. Jingyu Wang

Dr. Tao Huang

Deadline for manuscript
submissions:
closed (20 February 2024)

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.





an Open Access Journal by MDPI

Editor-in-Chief

Dr. Prasad S. Thenkabail

Senior Scientist (ST), U. S.
Geological Survey (USGS), USGS
Western Geographic Science
Center (WGSC), 2255, N. Gemini
Dr., Flagstaff, AZ 86001, USA

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubAg, GeoRef, Astrophysics Data System, Inspec, dblp, and other databases.

Journal Rank: JCR - Q1 (Geosciences, Multidisciplinary) / CiteScore - Q1 (General Earth and Planetary Sciences)

Contact Us

Remote Sensing Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/remotesensing
remotesensing@mdpi.com
[X@RemoteSens_MDPI](https://twitter.com/RemoteSens_MDPI)