



Satellite Remote Sensing of Atmospheric Aerosols for Air Quality Applications (Second Edition)

Guest Editors:

Dr. Seohui Park

1. Goddard Earth Sciences
Technology and Research
(GESTAR) II, Morgan State
University, Baltimore, MD 21251,
USA

2. Goddard Space Flight Center,
NASA, Greenbelt, MD 20771, USA

Prof. Dr. Jungho Im

Department of Civil, Urban, Earth,
and Environmental Engineering,
UNIST (Ulsan National Institute
of Science and Technology),
Ulsan, Republic of Korea

Deadline for manuscript
submissions:

15 December 2024

Message from the Guest Editors

The aim of this Special Issue is to explore the latest advancements in satellite remote sensing of atmospheric aerosols for air quality applications. We invite submissions that showcase innovative methodologies, techniques, and applications related to remote sensing analysis in the context of aerosol monitoring. We welcome research articles, reviews, and case studies that address the following topics:

- Satellite remote sensing data acquisition and preprocessing techniques for aerosol monitoring.
- Development and validation of algorithms and models for satellite-based retrieval of aerosol properties.
- Integration of remote sensing data with other sources of information, such as ground-based observations, for comprehensive aerosol assessments.
- Applications of satellite remote sensing in air quality monitoring, including source attribution and regional-scale variability analysis.
- Evaluation of the effectiveness of satellite remote sensing in informing regulatory and policy actions to reduce air pollution.





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, St. Alban-Anlage 66
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)