



an Open Access Journal by MDPI

## Satellite and In Situ Observations of Air Pollution

Guest Editors:

### Dr. Cristiana Bassani

Institute of Atmospheric  
Pollution Research of the Italian  
National Research Council (CNR-  
IIA), Research Area of Rome 1,  
Provincial Road 35d,  
Montelibretti, 9-00010 Rome, Italy

### Prof. Dr. Jason Blake Cohen

School of Environment and  
Spatial Informatics, China  
University of Mining and  
Technology, Xuzhou 221116,  
China

### Dr. Muhammad Bilal

Nelson Institute Center for  
Sustainability and the Global  
Environment (SAGE), University  
of Wisconsin-Madison, Madison,  
WI 53726, USA

Deadline for manuscript  
submissions:

**closed (30 November 2023)**

### Message from the Guest Editors

Articles regarding original methods and analysis and the results of studies conducted on aerosols and trace gases, which are remotely monitored from space-based or surface-based platforms (e.g., NO<sub>2</sub>, SO<sub>2</sub>, CO, O<sub>3</sub>, HCHO, CH<sub>4</sub>, N<sub>2</sub>O, NH<sub>3</sub>, BC), and incorporating further information from in situ observations are welcome. Specific topics of interest for this Special Issue include, but are not limited to:

- Applications of satellite and in situ data in air pollution modeling;
- Characterization of air pollution at the local and/or regional scales;
- Space-ground integrated system for air pollution monitoring;
- Impact of air pollution on urban, peri-urban and rural sites;
- Air pollution characterization by multivariate time series of remote sensing data;
- Synergistic ground-satellite products to analyze air pollutant emissions;
- Extension of remote sensing to new species, which have in situ measurements but are not currently available via existing remotely sensed products;
- Using remote sensing and in situ measurements together to constrain multiple species or impacts in tandem.



[mdpi.com/si/136541](https://mdpi.com/si/136541)

# Special Issue



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](http://www.mdpi.com)

[mdpi.com/journal/remotesensing](http://mdpi.com/journal/remotesensing)  
[remotesensing@mdpi.com](mailto:remotesensing@mdpi.com)  
[X@RemoteSens\\_MDPI](https://twitter.com/RemoteSens_MDPI)