

## Special Issue

# Advancements in Microwave Radiometry for Atmospheric Remote Sensing

### Message from the Guest Editors

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

- Microwave radiometry data acquisition and preprocessing techniques for atmospheric remote sensing.
- Development and validation of algorithms and models for the microwave radiometry-based retrieval of atmospheric parameters.
- Integration of microwave radiometry data with other sensing and in situ observations for comprehensive atmospheric assessments.
- Applications of microwave radiometry in weather forecasting, climate modeling, and air quality monitoring.
- Evaluation of the effectiveness of microwave radiometry in supporting decision-making in atmospheric sciences.

---

### Guest Editors

Dr. Ada Vittoria Bosisio

Italian National Research Council (IEIT Institute), Milano, Italy

Dr. Jungho Kim

First Street Foundation, Brooklyn, NY 11201, USA

---

### Deadline for manuscript submissions

30 April 2026



## Remote Sensing

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.1  
CiteScore 8.6



[mdpi.com/si/192448](https://mdpi.com/si/192448)

*Remote Sensing*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[remotesensing@mdpi.com](mailto:remotesensing@mdpi.com)

[mdpi.com/journal/  
remotesensing](https://mdpi.com/journal/remotesensing)





# Remote Sensing

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.1  
CiteScore 8.6



[mdpi.com/journal/  
remotesensing](https://mdpi.com/journal/remotesensing)



## About the Journal

### Message from the Editorial Board

*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.

---

### Editors-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

Prof. Dr. Dongdong Wang

Institute of Remote Sensing and Geographic Information Systems, Peking University, Beijing, China

---

### 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)