



Feature Papers of Section “Atmospheric Remote Sensing” (Second Edition)

Guest Editors:

Dr. Alexander Kokhanovsky

German Research Centre for
Geosciences, Telegrafenberg,
14473 Potsdam, Germany

Dr. Dmitry Efremenko

Remote Sensing Technology
Institute, German Aerospace
Center (DLR), 82234
Oberpfaffenhofen, Germany

Deadline for manuscript
submissions:

30 May 2024

Message from the Guest Editors

This Special Issue is the second volume of the Issue “Feature Papers for Atmospheric Remote Sensing”. On the basis of the previous research results, this volume aims to present recent advances in atmospheric remote sensing derived from ground-based and spaceborne observations.

Papers related to the following topics are welcome:

- Atmospheric radiative transfer;
- Remote sensing of atmospheric aerosol;
- Remote sensing of trace gases including CO₂, O₃, CH₄, SO₂, and NO₂;
- Remote sensing of terrestrial clouds;
- Remote sensing of precipitation;
- Precipitable water vapor retrieval techniques;
- Study of aerosol–trace gases–clouds interactions;
- Inversion theory;
- Machine learning approach for atmospheric retrieval;
- Validation of geophysical products.





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)