# Special Issue

# Remote Sensing Monitoring Aerosols and Its Effects on Atmospheric Radiation

### Message from the Guest Editors

By now, a very large number of remote sensing observations of aerosol has been deployed, and many aerosol products have been developed based on the available measurements and successfully used in various scientific applications. However, the desirable completeness and accuracy of aerosol information do not yet appear to have been reached, due to high complexity of aerosol properties and various challenging issues with the acquisition and interpretation of aerosol observations. Thus, we encourage submissions focusing on applications of the aerosol radiative effect based on remote sensing observations, including but not limited to:

- Development of advanced aerosol remote sensing equipment
- Improvement on quantitative high-precision retrieval method on satellite-based or ground-based
- New method for radiation calibration of aerosol sensors
- Combination of multisource observation data, optimization, and application of the radiative transport model
- Advanced analysis of existing archives of aerosol observations and near-real-time aerosol monitoring
- Instrumental and methodological developments for future aerosol missions

### Guest Editors

Dr. Oleg Dubovik
CNRS, University of Lille, 59655 Villeneuve D'ascq, CEDEX, France
Dr. Yingying Ma
State Key Laboratory of Information Engineering in Surveying, Mapping and Remote Sensing, Wuhan University, Wuhan 430072, China

### Deadline for manuscript submissions

closed (30 September 2021)

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/32153

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

mdpi.com/journal/remotesensing

MDPI

# Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/journal/remotesensing

MDPI

# 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)