remote sensing

IMPACT FACTOR 4.1

CITESCORE 9.4

an Open Access Journal by MDPI

Advances in Atmospheric Chemistry and Transportation of Aerosol by Remote Sensing and Modeling

Guest Editors:

Dr. Zhiyuan Hu

Prof. Dr. Xin Wang

Dr. Bing Pu

Dr. Yong Wang

Dr. Qiuyan Du

Deadline for manuscript submissions:
closed (15 October 2023)

Message from the Guest Editors

This collection acts as a platform to share and investigate this topic area and provides the opportunity to quantify aerosol chemistry and transportation. This will help us to better understand the impacts of aerosols on the environment and climate.

This research topic calls for papers that can improve our understanding of the characteristics of aerosols by using satellite remote sensing and the evaluations of modeled aerosols with remote sensing. We aim to quantify the characteristics of the atmospheric chemistry and transportation of aerosols using remote sensing data, including spatial distributions, radiative effects, etc.

Potential research topics include but are not limited to the following:

- Microphysical and optical properties of aerosols.
- Understanding the long-range transport characteristics of aerosols.
- The vertical distribution of aerosol species (e.g., particle mass, particle size).
- The impacts of light-absorbing aerosols in snow/ice.
- The interaction of aerosol–cloud–precipitation–climate.
- The impacts of meteorological parameters on the changes in aerosol species.
- The effect of aerosols on extreme weather.

remote sensing

IMPACT FACTOR 4.1

CITESCORE 9.4

an Open Access Journal by MDPI

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

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.

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

mdpi.com/journal/remotesensing
remotesensing@mdpi.com
𝕏@RemoteSens_MDPI