



High Resolution Active Optical Remote Sensing Observations of Aerosols, Clouds and Aerosol-Cloud Interactions and Their Implication to Climate

Guest Editors:

Prof. Dr. Simone Lolli

Prof. Dr. Kai Qin

Dr. James Campbell

**Assoc. Prof. Sheng-Hsiang
(Carlo) Wang**

Deadline for manuscript
submissions:

closed (29 February 2020)

Message from the Guest Editors

Dear Colleagues,

Contributions describing original research results from ground-based, airborne, and space-based observational vantage points are solicited. In particular, geometrical and optical properties of aerosol layers are important in climate, radiation budget, and cloud formation research (aerosol–cloud interaction). One of the goals of this Special Issue is, therefore, to survey the state-of-the-art of active optical remote sensing instruments for determining the vertical and horizontal distribution of clouds and aerosols throughout the atmospheric column. Another topic that benefits greatly from active optical remote sensing instruments is the elucidation of chemical and physical processes that occur in moderately and heavily dust polluted environments. For this application it is necessary to accurately describe the planetary boundary layer dynamics and depth evolution (a field in which LiDAR techniques excel). Other topics of interest for this Special Issue include: process studies related to atmospheric composition, pollution, transport and dynamics, and convective storm development.





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

mdpi.com/journal/remotesensing
remotesensing@mdpi.com
[X@RemoteSens_MDPI](https://twitter.com/RemoteSens_MDPI)