

Special Issue

Satellite-Based Cloud Climatologies

Message from the Guest Editors

This Special Issue will address both traditionally compiled cloud climatologies and the foreseen and ongoing changed paradigms in applied cloud climatology approaches. We welcome articles addressing the following topics:

- Updates on the latest cloud climatology results from the longest available time series of satellite measurements.
- Validation studies of the above-mentioned data records.
- Can we trust trends in cloud properties from these long data records?
- Aspects to consider when comparing the above-mentioned data records to results from climate model simulations.
- New prototype climatologies of cloud properties enabled by sensors introduced during the last decade and during the next few years.
- New cloud detection approaches: Will ANN-based methods be able to provide both more accurate products and more accurate uncertainty information?
- Ways of bridging the gap between new and old types of cloud climatologies based on early sensors and the most recently introduced sensors.

Guest Editors

Dr. Karl-Göran Karlsson

Swedish Meteorological and Hydrological Institute (SMHI),
Folkborgsvägen 17, SE-60176 Norrköping, Sweden

Dr. Andrew K. Heidinger

NOAA/NESDIS, Cooperative Institute of Meteorological Satellite Studies (CIMSS), Space Science and Engineering Center (SSEC),
University of Wisconsin, 1225 West Dayton, Madison, WI 53706-0000,
USA

Deadline for manuscript submissions

closed (30 June 2024)



Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 8.6



mdpi.com/si/93189

Remote Sensing
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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)