

## Special Issue

# Monitoring Land Surface Dynamic with AVHRR Data

### Message from the Guest Editor

The aim of this Special Issue of remote sensing is to compile the latest developments in AVHRR pre-processing (calibration, geo-coding) and ECV retrieval. This considers regional time series based on Local Area Coverage (LAC) data in 1.1 km in nadir but also global applications using Global Area Coverage (GAC) data in 4 km spatial resolution. The main focus is on the retrieval and validation of time series related to the following ECVs: Lakes, snow cover, glaciers and ice caps, ice sheets, permafrost, albedo, land cover (including vegetation type), fraction of absorbed photosynthetically active radiation (FAPAR), leaf area index (LAI), above-ground biomass, soil carbon, and fire disturbance. Additionally, papers describing new retrieval methods for the above-mentioned ECVs resulting in improved accuracy, which has to be documented with sound validation procedure are welcome. Furthermore, authors of methodological papers focusing on novel approaches to determine the uncertainty of the retrieved products are encouraged to submit their work, too.

---

### Guest Editor

Prof. Dr. Stefan Wunderle

Geographisches Institut, Universität Bern, Fernerkundung,  
Hallerstrasse 12, CH-3012 Bern, Switzerland

---

### Deadline for manuscript submissions

closed (7 December 2018)



## Remote Sensing

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.1  
CiteScore 8.6



[mdpi.com/si/17733](https://mdpi.com/si/17733)

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