



Monitoring Land Surface Dynamic with AVHRR Data

Guest Editor:

Dr. Stefan Wunderle

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

Deadline for manuscript
submissions:

closed (7 December 2018)

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.





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)