



## Remote Sensing in Dryland Assessment and Monitoring

Guest Editors:

**Dr. Achim Röder**

Trier University, Department of Environmental Remote Sensing and Geoinformatics, Campus II / Behringstraße 21, D-54286 Trier, Germany

**Dr. Marion Stellmes**

Freie Universität Berlin, Institute of Geographical Sciences, Remote Sensing and Geoinformatics, Malteserstraße 74-100, 12249 Berlin, Germany

Deadline for manuscript submissions:

**closed (31 December 2019)**

### Message from the Guest Editors

Dear Colleagues,

Drylands support humans through diverse land use systems, provide ecosystem services of global importance and harbor exceptional levels of biodiversity. Remote sensing applications in such environments are hampered by complex and often heterogeneous landscape mosaics, a comparably low signal level in combination with high inter- and intra-annual variations, and highly variable availability of optical data reflecting dry and wet seasons. On top of this, seasonal fire regimes add additional challenges in interpreting the signal. At the same time, there is an unprecedented number of sensor systems from the optical and radar domain.

This Special Issue therefore aims at providing a platform for the most recent advances in suitable indicators, appropriate time series analysis techniques and strategies to integrate these into assessment and monitoring concepts, where case studies should demonstrate their potential for transferability. We explicitly encourage submissions that showcase the potential of novel sensor systems for advanced assessments and how these may be interfaced with existing archives for long-term and large-area monitoring.





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, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/remotesensing  
remotesensing@mdpi.com  
X@RemoteSens\_MDPI