



Vegetation Dynamics and Forest Structure Monitoring Based on Multisensor Approaches

Guest Editors:

Prof. Dr. Heiko Balzter

**Dr. Polyanna da Conceição
Bispo**

**Dr. Ana Maria Pacheco-
Pascagaza**

Deadline for manuscript
submissions:

closed (28 February 2022)

Message from the Guest Editors

Dear Colleagues,

The recent increase in the availability of data from different optical and Synthetic Aperture Radar (SAR) sensors has led to the capability of monitoring vegetation dynamics and forest structure in almost near-real-time. Recent approaches have demonstrated that the combination of multiple sensors can considerably improve the accuracy of forest change detection. SAR sensors provide data that can fill in any gaps in a time series of optical data related to cloud cover. Despite the increasing evidence of the benefits of combining data from optical and SAR sensors and even combining different SAR frequencies and polarisations, there is a paucity of studies using such methods on larger scales or in a time series approach. This special issue focuses on the combination of available long-term datasets and newly released datasets for improving the understanding of forest dynamics and increases the accuracy for monitoring their changes. We invite papers describing approaches that combine data from different SAR, optical and LiDAR sensors to tackle the current environmental challenges.





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)