Special Issue

Image Analysis for Forest Environmental Monitoring

Message from the Guest Editors

Forests are key resources for sustaining life on earth. They act as carbon sinks and are one of the most effective ways of fighting climate change. They are one of the most important sources of renewable energies in the form of wood fuel – currently as much as solar, hydroelectric and wind power combined. Forests cover about 30% of the total land area on earth and are the home of 80% of the planet's terrestrial species (50% of the animals). They are, thus, one of the most valuable public assets on the planet that needs to be protected from many threats coming mostly from human activity. Large-scale and mid-scale monitoring of forest environments can be done in cost-effective ways through remote sensing and airborne or land-based sensor analysis, automating many of the processes with current machine learning and pattern recognition methods.

This Special Issue will accept papers on all aspects of the acquisition and analysis of aerial image (latu sensu, including hyperspectral, multispectral, LiDAR, Radar), and video acquired from airborne and/or spaceborne sensors, that have an impact in the monitoring of forest environments.

Guest Editors

Dr. Alexandre Bernardino

Dr. Alexandra Moutinho

Dr. Catarina Barata

Dr. El Khalil Cherif

Deadline for manuscript submissions

closed (31 January 2025)

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/129220

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

mdpi.com/journal/remotesensing

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/journal/remotesensing

MDPI

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)