Special Issue

Dynamic Monitoring of Forest Resources Based on Multi-Source Remote Sensing Data

Message from the Guest Editors

The 21st century has seen the development of countless new remote sensors that can be used to monitor both forests and forest plantations. These sensors use various technologies to capture meaningful and valuable forest information (e.g., LiDAR, SAR, multispectral, and hyperspectral imagery). The dynamic monitoring of forest resources has become a trending research topic not only because of the pivotal socioeconomic importance of forests as providers of ecosystem services (wildlife habitat, supply of wood and non-wood products, recreational opportunities) but also due to the urgent need to collect accurate, timely, and large-scale information related to aboveground biomass and carbon stocks fixed by forests. This Special Issue will report the latest advances and trends in the field of the dynamic monitoring of forest resources based on multi-source remote sensing, addressing original developments, new applications, and practical solutions to open questions.

Guest Editors

Prof. Dr. Fernando José Aguilar

Prof. Dr. Flor Álvarez-Taboada

Prof. Dr. Manuel Ángel Aguilar

Dr. Muhammad Yasir

Deadline for manuscript submissions

15 October 2025

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/204227

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

mdpi.com/journal/remotesensing

MDPI

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/journal/remotesensing

About the Journal

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.

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

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)