Special Issue

Vegetation Mapping through Multiscale Remote Sensing

Message from the Guest Editors

At present, the availability of multi-resolution remote sensing datasets allows multiscale and multitemporal approaches in order to perform analysis and modeling for the sustainable management of plant ecosystems. This Special Issue welcomes contributions focusing on the integrated use of multi-scale remote sensing observations applied to vegetation mapping. We particularly appreciate contributions exploiting novel methods and applications from multiscale/multisource observations. Review articles are also welcome. Articles may address, but are not limited to, the following topics:

- Vegetation land cover mapping and pattern analysis;
- Vegetation change;
- Biotic and abiotic vegetation damage;
- Wildfire studies (pre-fire, monitoring and post-fire);
- Biophysical parameters (Biomass, LAI, canopy water content, canopy height, etc.);
- Biodiversity and wildlife;
- Novel strategies for multiscale data processing;
- The role of scale in vegetation mapping;
- Multiscale, multispectral and multi-temporal remote-sensing data fusion;
- Upscaling or downscaling approaches.

Guest Editors

Dr. Alberto García-Martín

1. Centro Universitario de la Defensa de Zaragoza, 50090 Zaragoza, Spain
2. Environmental Sciences Institute (IUCA), University of Zaragoza, 50009 Zaragoza, Spain

Dr. Antonio Luis Montealegre Gracia

1. Centro Universitario de la Defensa de Zaragoza, 50090 Zaragoza, Spain
2. Environmental Sciences Institute (IUCA), University of Zaragoza, 50009 Zaragoza, Spain

Deadline for manuscript submissions

31 December 2025

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/101510

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)