

Special Issue

Estimating and Monitoring Forest Structure Using Remote Sensing Techniques

Message from the Guest Editors

As a vital natural resource, forests are of extreme importance for all living beings on our planet. We would like to dedicate this Special Issue to documenting remote sensing-based methods for forest structure retrieval, forest degradation monitoring, and forest resources assessment. Submissions address the following topics are solicited: New methods for the retrieval of forest structure parameters from remote sensing data, including SAR and lidar; combination of complementary SAR imaging methods (tomography, polarimetry, interferometry), lidar sensors as well as data fusion with optical to define novel approaches, concepts, and applications for forest structure mapping and monitoring; new methods and concepts for the quantitative assessment of forest biomass; feasibility studies with new sensors, ranging from drones to spaceborne SAR systems and their applications to forestry; comparison and benchmarking studies using various sensors and/or processing methods for forest structure retrieval; new approaches for the detection of forest changes and degradation; artificial intelligence-based methods and multi-sensor data fusion for forest information retrieval.

Guest Editors

Dr. Paola Rizzoli

Microwaves and Radar Institute, German Aerospace Center (DLR),
82234 Wessling, Germany

Dr. Armando Marino

Biological and Environmental Sciences, Faculty of Natural Sciences,
University of Stirling, Stirling FK9 4LA, Scotland, UK

Deadline for manuscript submissions

closed (31 May 2022)



Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.2
CiteScore 8.6



mdpi.com/si/61393

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

[mdpi.com/journal/
remotesensing](https://mdpi.com/journal/remotesensing)





Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.2
CiteScore 8.6



[mdpi.com/journal/
remotesensing](https://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)