

Special Issue

Challenges and Prospects of Remote Sensing Application for Forest Resources Management

Message from the Guest Editor

This Special Issue aims to explore the innovative applications and emerging challenges of remote sensing in forest resources management. Forests play a pivotal role in maintaining ecological balance, supporting biodiversity, and mitigating climate change. However, the effective management of forest resources is becoming increasingly complex due to global changes, such as deforestation, climate variability, and resource exploitation. Remote sensing technologies offer significant potential to address these challenges by providing scalable, cost-effective, and detailed spatial and temporal data. Contributions are invited on topics including, but not limited to, forest mapping, biomass estimation, carbon stock assessments, monitoring forest health, and integrating remote sensing with machine learning and geospatial analytics for decision support. This Special Issue will also explore the limitations and opportunities for enhancing the utility of remote sensing tools in operational forest management.

Guest Editor

Dr. Saverio Francini

Department of Science and Technology of Agriculture and Environment (DISTAL), University of Bologna, 40126 Bologna, Italy

Deadline for manuscript submissions

closed (31 May 2025)



Forests

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.4



mdpi.com/si/223714

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

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





Forests

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.4



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



About the Journal

Message from the Editor-in-Chief

Forests (ISSN 1999-4907) is an international and cross-disciplinary, scholarly forestry journal. The distinguished editorial board and refereeing process ensures the highest degree of scientific rigor and review of all published articles. Original research articles and timely reviews are released online, with unlimited free access. Our goal is to have *Forests* be recognized as one of the foremost publication outlets for high quality, leading edge research in this broad and diverse field. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global forestry community.

Editor-in-Chief

Prof. Dr. Giacomo Alessandro Gerosa

Department of Mathematics and Physics, Catholic University of Brescia,
I-25121 Brescia, Italy

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, PubAg, AGRIS, PaperChem, and other databases.

Journal Rank:

JCR - Q2 (Forestry) / CiteScore - Q1 (Forestry)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the second half of 2025).