

## Special Issue

# Remote Sensing Approaches to Mapping and Monitoring Forest Vegetation Conditions

### Message from the Guest Editors

To promote an interdisciplinary approach to the subject, we invite all studies focused on remote sensing approaches to mapping, monitoring, detecting or classifying forest vegetation conditions and characteristics at different scale processes, to contribute to this Special Issue. Remote sensing and forest mapping offer a wide range of applications, and different experiments, models, methods, and analyses are welcome. We particularly encourage studies that incorporate state-of-the-art methods based on machine and deep learning advances that result in a mapping approach. Potential topics include, but are not limited to:

Vegetation monitoring and classification; Segmentation or object detection; Machine-learning or deep learning; Species identification; UAV, airborne, or satellite data; RGB, multispectral, or hyperspectral imagery; LiDAR, optical, infrared and radar; Wildfire or deforestation practices mapping; Urban forests; Agricultural forests; Submerged or underwater forests; Carbon storage; Dimensional analysis; Local, regional, and global mapping.

---

### Guest Editors

Prof. Dr. Lucas Prado Osco

Prof. Dr. José Marcato Junior

Prof. Dr. Wesley Nunes Gonçalves

Prof. Dr. Ana Paula Marques Ramos

---

### Deadline for manuscript submissions

closed (15 May 2023)



## Forests

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 4.6



[mdpi.com/si/135830](https://mdpi.com/si/135830)

*Forests*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[forests@mdpi.com](mailto:forests@mdpi.com)

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





# Forests

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 4.6



[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).