

Special Issue

Remote Sensing Approach for Early Detection of Forest Disturbance

Message from the Guest Editors

Forests are vital to the global ecological balance, yet they face numerous threats from natural and anthropogenic disturbances. The early detection of these disturbances is crucial for effective forest management, conservation, and restoration. This Special Issue invites original research articles, reviews, and case studies that explore innovative remote sensing approaches for the early detection of forest disturbances, as well as the ecological environment. Topics of interest include, but are not limited to, the use of satellite and airborne sensors, LiDAR, UAV-based imaging, and advanced image processing techniques such as machine learning and artificial intelligence. We are particularly interested in studies that addressing the challenges of detecting subtle or gradual changes in forests and ecological environment, distinguishing between different types of disturbances, and integrating multi-source data for comprehensive monitoring, forest species diversity, and ecological factors.

Guest Editors

Dr. Yaohui Liu

Dr. Peng Li

Dr. Jin Wang

Dr. Pingjie Fu

Deadline for manuscript submissions

30 September 2025



Forests

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 4.6



mdpi.com/si/219670

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 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 17.1 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).