Special Issue

Spatial–Temporal Forest Dynamics Revealed Through Remote Sensing and GIS

Message from the Guest Editors

Understanding how forests change across space and time is essential for addressing today's environmental challenges, from biodiversity loss to climate-driven disturbances. This Special Issue brings together cutting-edge research that leverages remote sensing technologies and geographic information systems (GIS) to reveal patterns, processes, and drivers of forest dynamics at multiple scales. Advances in satellite imagery, UAV platforms, LiDAR, and cloud-based analytical tools now make it possible to monitor forest structure, composition, and health with unprecedented precision and frequency.

The articles featured in this Special Issue highlight innovative approaches for detecting disturbances, quantifying forest regeneration, modeling landscape transitions, and assessing ecosystem resilience. Together, they demonstrate how spatial–temporal analyses can improve our understanding of forest responses to natural and human-induced pressures, ultimately supporting more informed conservation and management strategies.

Guest Editors

Dr. Mihai Valentin Herbei

Department of Sustainable Development and Environmental Engineering, University of Life Sciences "King Mihai I", 300645 Timisoara, Romania

Dr. Florin Sala

Department of Soil Science, Faculty of Agriculture, University of Life Sciences, "King Mihai I" from Timisoara, 300645 Timisoara, Romania

Deadline for manuscript submissions

1 October 2026

Forests

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 4.6

mdpi.com/si/265475

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

mdpi.com/journal/forests

Forests

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 4.6

mdpi.com/journal/forests

MDPI

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).