

Special Issue

Modeling Post-Fire Forest Vegetation Dynamics Based on Remote Sensing Applications

Message from the Guest Editors

Wildfires have significant environmental and socio-economic impacts, affecting ecosystems and people worldwide. This Special Issue aims to present and promote original scientific contributions.

Potential topics include, but are not limited to:
Analysis of fire impacts in forest environments;
Assessment of fire impacts on landscape characteristics and their changes; Estimation of forest canopy status and post-fire vegetation recovery;
Predictive assessments and mapping of post-fire biodiversity patterns in forests; Post-fire vegetation structural characteristics; Classification, detection, and segmentation of post-fire vegetation cover; Post-fire forest modelling and climate change adaptation; Post-fire forest biotic and abiotic disturbance mapping;
Remote sensing methods to quantify biophysical parameters of post-fire vegetation; Multispectral and hyperspectral data and methods for post-fire forest monitoring; Lidar, UAV, and SAR data in monitoring post-fire forest environments; New algorithms and techniques for post-fire forest monitoring.

Guest Editors

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Deadline for manuscript submissions

closed (30 May 2025)



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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

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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).