

## Special Issue

# Smart Forest Inventory, Management and Planning: Intelligent Technologies and Their Applications

### Message from the Guest Editors

For this Special Issue, we seek papers on the following:

- Intelligent forest inventory and monitoring methods integrating multi-source remote sensing, LiDAR, and ground observation;
- High-precision estimation of forest biomass and carbon storage and regional/global-scale carbon sink assessment;
- Automated identification of and intelligent early warning systems for diseases, pests, and natural disturbances based on deep learning;
- Construction of forestry information platforms and IoT perception systems and improvements in their real-time monitoring capabilities;
- Application and utilization of artificial intelligence and deep learning models for classification, prediction, and planning optimization;
- Exploration of digital twin and virtual simulation in forest management, ecological restoration, and landscape pattern design;
- Application and evaluation of intelligent methods in assessing the response forests to climate change and achieving carbon neutrality.

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### Guest Editors

Dr. Zixuan Qiu  
Prof. Dr. Zhongke Feng  
Dr. Huiqing Pei

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### Deadline for manuscript submissions

31 May 2026



## Forests

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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.

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### Editor-in-Chief

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#### 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).