

Special Issue

Forest Ecology and Resource Monitoring Based on Sensors, Signal and Image Processing

Message from the Guest Editors

This Special Issue aims to bring together researchers from various disciplines, including ecology, forestry, remote sensing, signal processing, and image analysis, to share their latest findings and insights, including but not limited to:

- Smart sensors and IoT for forest ecology and resource management.
- Satellite or UAV remote sensing and image analysis for forest ecology and resource monitoring.
- Artificial intelligence and machine learning for forest ecology and resource monitoring
- Audio, image, and video processing for wildlife and plant monitoring.
- Automatic monitoring of forest carbon stocks and fluxes, LiDAR technology for forest structure, and biomass estimation.
- Other novel and practical technologies for forest ecology and resource monitoring.

Guest Editors

Prof. Dr. Yili Zheng

Prof. Dr. Xinwen Yu

Dr. Paul Sestras

Prof. Dr. Yue Zhao

Dr. Guang Deng

Dr. Ankur Srivastava

Deadline for manuscript submissions

closed (30 April 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.

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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).