

## Special Issue

# Genomic Analysis of Growth and Stress Adaptation in Forest Trees

### Message from the Guest Editors

In forests, physiological and molecular patterns of stress resilience and adaptation associated with favorable environmental and phytohormone cues are postulated to collectively affect survival and evolution. This Special Issue aims to stimulate fundamental research and collect the latest discoveries within genomic and genetic regulatory mechanisms in tree growth, tolerance, and defense immunity to various stress cues. Potential topics include, but are not limited to, the following:

- Novel findings of genome sequencing (e.g., plastomes and mitogenomes), strategies in genome editing, genetic transformation, and the innovation in forest tree performance;
- Multi-omics studies to characterize candidate genes/families impacting tree growth, biomass, adapted environment;
- Development of high-efficiency transformation and genome editing systems for tree species;
- Applications of synthetic biology to generate valuable bioactive constituents in engineered plants.

All types of submissions, including original research, high-quality reviews, methodologies, perspectives, and opinion articles in this field, are welcome.

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### Guest Editors

Dr. Tao Su

Prof. Dr. Liming Yang

Prof. Dr. Fansuo Zeng

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### Deadline for manuscript submissions

closed (28 February 2025)



## Forests

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

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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

Prof. Dr. Giacomo Alessandro Gerosa

Department of Mathematics and Physics, Catholic University of Brescia,  
I-25121 Brescia, Italy

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#### 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).