

Special Issue

Genome-Wide Identification and Expression Analysis for the Genetic Improvement of Forest Plants

Message from the Guest Editors

With the rapid development of molecular biology and genomics, genetic breeding has become an efficient way to improve the quality and productivity of forest plants. Genome-wide identification and analysis of genes related to various important traits is essential for the genetic improvement programs of forest plants. Recent advances in high-throughput sequencing technologies have enabled us to gain insights into the genetic mechanisms that underlie growth traits in forest plant species. Multiple sequencing technologies with increased accuracy have also allowed us to perform more accurate identification of functional genes. We would like to announce this Special Issue, which will concentrate on articles focused on accurate genome-wide identification and expression analysis of genes related to growth traits in various types of forest plants with ecological or economic importance. Studies concerned with the improvement of identification methods, population-level functional diversity analysis, or functional verification of candidate genes are most welcome.

Guest Editors

Dr. Mingcheng Wang

Institute for Advanced Study, Chengdu University, Chengdu, China

Dr. Shaofei Tong

College of Forestry, Northwest A&F University, Yangling, China

Dr. Shanshan Zhu

School of Marine Sciences, Ningbo University, Ningbo, China

Deadline for manuscript submissions

closed (13 December 2024)



Forests

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 4.6



mdpi.com/si/154987

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

[mdpi.com/journal/
forests](https://mdpi.com/journal/forests)





Forests

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 4.6



[mdpi.com/journal/
forests](https://mdpi.com/journal/forests)



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 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).