



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

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:

13 December 2024

Message from the Guest Editors

Dear Colleagues,

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.

Dr. Mingcheng Wang

Dr. Shaofei Tong

Dr. Shanshan Zhu

Guest Editors





forests



an Open Access Journal by MDPI

Editors-in-Chief

Prof. Dr. Cate Macinnis-Ng

Department of Biological Sciences, Faculty of Science, University of Auckland, Private Bag 92019, Auckland 1142, New Zealand

Prof. Dr. Giacomo Alessandro Gerosa

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

Message from the Editorial Board

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, PubAg, AGRIS, PaperChem, and other databases.

Journal Rank: JCR - Q1 (Forestry) / CiteScore - Q1 (Forestry)

Contact Us

Forests Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/forests
forests@mdpi.com
X@Forests_MDPI