

Special Issue

Genetic Adaptation of Agroforestry to Climate Change: Diversity, Development and Function

Message from the Guest Editor

During their long-term environmental adaptation, forest plants have created their own survival mechanisms, which contain the diversity of their gene resources and gene expression regulation mechanisms. In this Special Issue, we intend to focus on the gene identification, functional evaluation, and expression regulation process in forest species in adaptation to various environmental conditions, so as to examine their diversity adaptation mechanisms and potentially provide a blueprint and greater gene resources for the molecular design and breeding of forest trees. We are interested in papers on topics including the following: Gene identification and functional evaluation; Gene diversity in adaption to growth conditions; Gene alternative splicing in adaption to growth conditions; Gene expression regulation in adaption to growth conditions; Gene networks in adaption to growth conditions; Genetic transformation of forest trees.

Guest Editor

Prof. Dr. Jichen Xu
National Engineering Laboratory for Tree Breeding, Beijing Forestry University, Beijing, China

Deadline for manuscript submissions

closed (15 August 2024)



Forests

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 4.6



mdpi.com/si/173964

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 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).