

Special Issue

Somatic Embryogenesis and Organogenesis on Tree Species: 2nd Edition

Message from the Guest Editors

The combination of biotechnology and conventional methods, such as plant propagation and breeding, has become a promising strategy for improving and multiplying a diverse range of tree species. This Special Issue focuses on the recent advancements in somatic embryogenesis and organogenesis in tree species, both of which hold significant potential for various applications. These techniques are important not only in basic cell biology and tree genetic research but also for the long-term ex situ conservation of genetic resources through cryopreservation and for mass propagation. Our goal is to explore the diverse aspects of somatic embryogenesis and organogenesis as valuable tools in tree biotechnology, particularly in the conservation of genetic diversity, adaptation to climate change, and the sustainable production of tree-based products. Potential topics for this Special Issue include, but are not limited to, the following:

- Somatic embryogenesis and organogenesis;
- Tree biotechnology;
- Tree products;
- Cryopreservation techniques;
- Mass propagation;
- Genetic diversity and conservation;
- Climate change adaptation;
- Plant breeding and improvement.

Guest Editors

Dr. Marcos Edel Martinez-Montero

Department of Plant Breeding and Plant Conservation, Bioplasmas Center, University of Ciego de Avila, Ciego de Avila 65200, Cuba

Dr. Judit Dobránszki

Centre for Agricultural Genomics and Biotechnology, Faculty of the Agricultural and Food Science and Environmental Management, University of Debrecen, 4400 Nyíregyháza, Hungary

Deadline for manuscript submissions

closed (30 December 2025)



Forests

an Open Access Journal
by MDPI

Impact Factor 3.1
CiteScore 5.4



mdpi.com/si/222468

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 3.1
CiteScore 5.4



[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 17.3 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2026).