

Special Issue

Adaptive Mechanisms of Tree Seedlings to Adapt to Stress—Second Edition

Message from the Guest Editors

As the most critical stage throughout the plant life cycle, the seedling period plays a crucial role in forest community succession and vegetation restoration. Seedlings are vulnerable to biotic and abiotic stresses during their growth stage. Ongoing climate change is increasing the frequency and intensity of stresses such as drought, flood, extreme temperature, and pest spread. In the long-term evolutionary process, tree seedlings have developed a set of adaptive mechanisms to deal with these stresses. For this Special Issue, we invite all research undertakings that deal with the adaptation mechanisms of tree seedlings to biotic and abiotic stresses, highlighting their important roles in coping with stresses in forest ecosystems. Thus, this Special Issue is generally aimed at collating up-to-date research findings on various adaptive mechanisms of tree seedlings to stress.

Guest Editors

Dr. Bo Liu

Dr. Shaofei Jin

Dr. Mulualet Tigabu

Dr. Jing Zhou

Deadline for manuscript submissions

closed (30 April 2025)



Forests

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 4.6



mdpi.com/si/200952

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).