Special Issue

Biotic and Abiotic Stress Effects on Tree Growth and Wood Properties

Message from the Guest Editor

A better knowledge of stress-driven modifications of growth and wood properties is essential for forest management in order to take directed decisions on wood productions. It is further vital for wood and fibre utilisation in the bioeconomy. As a deviation from normal growing conditions, stress substantially affects the structural response of trees. Climate change is certainly one of the stressors currently receiving the most attention, but further abiotic and biotic stressors also lead to substantial structural changes in tree growth and thus to modifications of the wood resource. In this Special Issue of *Forests*, relevant relationships between biotic and abiotic stress and structural responses of trees are discussed. Special attention is given to structural responses that modify growth and wood properties. Thus, manuscripts that deal with biotic, abiotic, and also multiple stress as interactions of biotic and abiotic stress are invited to this Special Issue. These might encompass climate-related stress but also stress caused by competition, mechanical injuries, fire, fungi, insects, or further agents. Focus should be on the structural tree response to stress.

Guest Editor

Prof. Dr. Thomas Seifert
Chair of Forest Growth and Dendroecology, Albert-Ludwigs-University Freiburg, Tennenbacher Str. 4, 79106 Freiburg, Germany

Deadline for manuscript submissions

closed (31 October 2022)

Forests

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 4.6

mdpi.com/si/110426

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

mdpi.com/journal/forests

Forests

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 4.6

mdpi.com/journal/forests

MDPI

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).