Special Issue

Relationship between Forest Ecophysiology and Environment

Message from the Guest Editors

In this Special Issue, we explore current research designed to assess thresholds for rapid tree decline and consequences associated with ecological change. In situ measurements of ecophysiological traits and timeseries analysis of monitoring data are needed to reveal both subtle changes and abrupt deviations at appropriate spatial and temporal scales. A combined approach, involving innovative data collection and transmission methods, may provide an early warning system for trees operating beyond the normal or safe mode and may offer unique insights into ecological dynamics and physiological responses to climatic perturbations that are not represented by estimates of forest cover or biomass.

This Special Issue will comprise a selection of papers reporting recent advances in research on relationships between plant functions and the environment in natural forest ecosystems and in managed forest plantations. Original works and reviews are both welcome.

Guest Editors

Prof. Dr. Roberto Tognetti

Department of Agricultural, Environmental and Food Sciences, Università degli Studi del Molise, Campobasso, Italy

Prof. Dr. John D. Marshall

Ecophysiology Unit, Department of Forest Ecology and Management, Swedish University of Agricultural Sciences (SLU), 901 83 Umeå, Sweden

Deadline for manuscript submissions

closed (10 October 2020)



Forests

an Open Access Journal by MDPI

Impact Factor 2.5 CiteScore 4.6



mdpi.com/si/23766

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



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).

