

Special Issue

Response of Forest Trees to Drought

Message from the Guest Editors

Ongoing global warming has boosted the occurrence of severe droughts around the world. In particular, short- and long-lasting droughts induced by climate change have detrimental effects on forest trees. The negative effects of droughts on tree performance can last for years, leading to so-called “legacy effects”, which ultimately determine changes in forest structure and functioning, and drive large-scale shifts in forest composition and species distribution. Therefore, studies that detect the impact of droughts on tree health are crucial for understanding the extent to which forest systems are threatened and for quantifying what ecosystem services will be lost through drought-induced dieback and mortality. This topic has emerged as one of the major challenges for forest communities, and is the main focus of this Special Issue. Original research and reviews aimed at understanding the triggers of drought-induced dieback, characterization of factors involved in growth decline, tipping points, tree growth response across a geographical range, and early warnings that help to predict tree dieback are welcome.

Guest Editors

Dr. Maria Laura Suarez

Instituto de Investigaciones en Biodiversidad y Medioambiente (INIBIOMA-CONICET), San Carlos de Bariloche 8400, Argentina

Dr. Ester González-de-Andrés

Instituto Pirenaico de Ecología (IPE-CSIC), 50059 Zaragoza, Spain

Deadline for manuscript submissions

closed (30 September 2024)



Forests

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 4.6



mdpi.com/si/175929

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).