

Special Issue

Pollen-Based Tree Population Dynamics and Climate Reconstruction

Message from the Guest Editors

Increasing awareness about climate change and its impacts on biodiversity and environmental sustainability should promote research regarding the structure and dynamics of past ecosystems, as they can provide analogues for our future world and potential mitigation and adaptation strategies. This Special Issue welcomes high-quality contributions addressing the use of fossil plant records to:

- Trace the biogeography of trees during geological and recent times, driven by natural or anthropogenic forces.
- Examine past and current biodiversity changes in different ecoclimatic and biogeographical regions.
- Utilize fossil pollen spectra for quantitative reconstructions of past climate parameters.
- Highlight how lessons learned from past ecosystems can inform strategies to help current and future forests adapt to climate change.

By connecting past ecological data with contemporary and future forest management, this Special Issue aims to foster research that bridges palaeoecology with practical applications for mitigating and adapting to climate change.

Guest Editors

Dr. Federico Di Rita

Dr. Roberta Pini

Dr. Fabrizio Michelangeli

Dr. Juan Ochando Tomás

Deadline for manuscript submissions

closed (31 July 2025)



Forests

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 4.6



mdpi.com/si/213184

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).