

Special Issue

Modeling Forest Dynamics

Message from the Guest Editors

“Modeling Forest Dynamics” is a dedicated Special Issue of *Forests* that will delve into the crucial realm of understanding and predicting these complex forest transformations. This Special Issue will assemble a collection of high-caliber research papers that employ various modeling techniques to decipher the multifaceted aspects of forest dynamics. It will feature studies ranging from the microscopic level of the growth and mortality patterns of individual trees to the macroscopic scale of entire forest landscapes and their responses to large-scale disturbances and long-term environmental shifts. The contributions herein will explore how different models capture the essence of forest succession, the impact of climate variability on forest productivity and species distribution, and the role of biotic interactions such as competition and symbiosis in shaping forest community structures. By focusing on modeling forest dynamics, this Special Issue aims to bridge the gaps between theoretical ecological research and practical forestry applications.

Guest Editors

Dr. Zongzheng Chai

Dr. Xianzhao Liu

Dr. Lingbo Dong

Dr. Zaixing Zhou

Deadline for manuscript submissions

31 December 2025



Forests

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 4.6



mdpi.com/si/228217

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).