

## Special Issue

# Forest Biodiversity and Climate-Regulating Functions

### Message from the Guest Editors

Climate change is one of the leading global challenges today. On the one hand, climate change affects biodiversity; on the other hand, biodiversity, being a provider of forest ecosystem functions, including climate regulation, creates mechanisms for adaptation to climate change. In many forest countries, there is a steady trend towards forest use intensification, driven by increasing demands for forest products and services, which contributes to the reduction of biodiversity.

Scientific research aimed at identifying the mechanisms of biodiversity impact on ecosystem functions of forests is of great importance for sustainable forest management in the context of global changes. This Special Issue focuses on the impact of biodiversity on climate-regulating functions of forests, including regulation of carbon, nitrogen, water cycles, temperature regime. Research articles may focus on the impact of biota diversity represented by individual trophic levels and groups and the combined effects. Comparison of the impact of biodiversity and species identity on forest climate-regulating functions is also of great interest.

---

### Guest Editors

Dr. Natalia Lukina

Dr. Vladislav Soukhovolsky

Prof. Dr. Oleg Chertov

---

### Deadline for manuscript submissions

closed (22 October 2021)



## Forests

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 4.6



[mdpi.com/si/70186](https://mdpi.com/si/70186)

*Forests*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[forests@mdpi.com](mailto: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).