

## Special Issue

# Managing Forest Wildfires in Climate Changes: New Paradigms and Challenges

### Message from the Guest Editors

Climate change has become a central theme of global discussions on environmental issues, in an attempt to ensure that the agreements signed in the past to reduce global emissions of greenhouse gases can be fulfilled. In recent decades, catastrophes arising from anthropic actions and also resulting from natural processes that affect millions of people worldwide have been observed on all continents. Forest fires associated with anthropic issues and the increase in global temperature in recent decades have been the scene of several studies involving numerous researchers. Remote sensing has been gaining new ground and new applications in recent years, being able to generate climate data from natural spaces. The understanding of the monitoring carried out by remote sensors allows the establishment of observations and accurate analysis of climatic data and natural phenomena. In view of the global panorama of combating climate change, and considering the vulnerability of forests, it is important to understand past events of deforestation and fire outbreaks to understand their effect on the carbon cycle and ecosystem services of the forest.

### Guest Editors

Prof. Dr. Rafael Coll Delgado

Department of Environmental Sciences, Universidade Federal Rural do Rio de Janeiro, Seropédica, Brazil

Prof. Dr. Marcos Gervásio Pereira

Department of Soils, Federal Rural University of Rio de Janeiro (UFRRJ), Seropédica 23897-000, RJ, Brazil

### Deadline for manuscript submissions

closed (30 April 2025)



## Forests

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 4.6



[mdpi.com/si/147744](https://mdpi.com/si/147744)

*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).