

## Special Issue

# New Insights into Interactions of Fire and Forest Ecosystems under Climate Change

### Message from the Guest Editor

Climate change is likely to cause the increasing frequency of compound disturbances in forests, for example wind damage followed by fire. These compound disturbances may also take place in an environment where multiple chronic stressors are present that impact forest responses to fire, such as invasive diseases, insect pests and plant species, drought stress, grazing by large herbivores, and overharvesting. Multiple disturbances on top of these chronic stressors could lead to a loss of resilience and novel ecosystems. Even forest responses to the recurrence of fires similar to those in the past could differ as the climate changes. In this Special Issue we encourage the submission of studies on how fires affect forest ecosystem functions, species composition and successional trajectories, as related to the interrelationships of climate change and the changing frequency and severity of fire. New perspectives on the responses and resilience of forests to fires that occur in addition to increasing stress from climate change and other chronic stressors, as well as novel disturbance combinations or regimes are also welcome.

---

### Guest Editor

Dr. Lee Frelich

Department of Forest Resources, Center for Forest Ecology, University of Minnesota, St. Paul, MN 55108, USA

---

### Deadline for manuscript submissions

closed (10 April 2019)



## Forests

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 4.6



[mdpi.com/si/15762](https://mdpi.com/si/15762)

*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).