



forests

an Open Access Journal by MDPI



Forest Fires in the Boreal Biome: Drivers and Effects on Humans and Ecosystem Processes

Guest Editor:

Dr. Igor Drobyshev

1. Department of Southern
Swedish Forest Research Centre,
Swedish University of Agricultural
Sciences, SLU Alnarp, Box 190,
234 22 Lomma, Sweden

2. Institut de recherche sur les
forêts, Université du Québec en
Abitibi-Témiscamingue, 445 boul.
de l'Université, Rouyn-Noranda,
QC J9X5E4, Canada

Deadline for manuscript
submissions:

closed (30 November 2022)

Message from the Guest Editor

Observed and projected trends in weather variability suggest that future fire regimes in boreal forests may differ from those observed over the 20th century. Paleo- and dendrochronological reconstructions inform us about the range of variability of historic fire activity, although it is still challenging to reconstruct the full range of relevant features of fire regimes (e.g., spatial metrics and severity) and convert these reconstructions into the estimates of fire impacts on particular ecosystem functions, such as C dynamics and biodiversity. Separation of climatic vs. human signals in fire records, both modern and reconstructed, remains a subject of vivid debate. Equally intriguing is research aiming to quantify the role of fire suppression in shaping fire activity across geographical scales. Further, knowledge on the effect of fire activity and its cessation on ecosystem functions is much needed to inform forest management and policy makers.

We hope that the forthcoming Special Issue will touch upon all these topics, providing an important and timely contribution to the fields of fire ecology, fire management, and beyond.



mdpi.com/si/98534

Special Issue



forests



an Open Access Journal by MDPI

Editors-in-Chief

Prof. Dr. Cate Macinnis-Ng

Department of Biological Sciences, Faculty of Science, University of Auckland, Private Bag 92019, Auckland 1142, New Zealand

Prof. Dr. Giacomo Alessandro Gerosa

Department of Mathematics and Physics, Catholic University of Brescia, I-25121 Brescia, Italy

Message from the Editorial Board

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, PubAg, AGRIS, PaperChem, and other databases.

Journal Rank: JCR - Q1 (*Forestry*) / CiteScore - Q1 (*Forestry*)

Contact Us

Forests Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/forests
forests@mdpi.com
[X@Forests_MDPI](https://twitter.com/Forests_MDPI)