

Special Issue

Wind Impacts on Forests and Trees in a Changing Climate—A Special Issue in Collaboration with the IUFRO Working Party 8.03.06

Message from the Guest Editors

Trees regularly face a number of biotic and abiotic stresses. Among these, wind play an important role in stand dynamics but can also interfere with forest management plans. In recent decades, a number of severe storms have caused serious damage in many parts of the world leading to large economic and habitat losses. This situation is likely to become more prevalent in the context of climate change and there is an increased risk of additional damage from bark beetles and fires following a wind storm. Understanding the windthrow process, its impacts, and adjusting to windthrow risk require an interdisciplinary approach building on an understanding of climate, ecology, wind behavior, tree biomechanics, tree physiology, silviculture, and tree and forest management. We encourage contributions that try to build a better understanding of wind impacts on trees and how this knowledge can be integrated into the management of trees and forests, placing this new knowledge in the context of climate change. The core of the Special issue will consist of papers presented at the IUFRO 2020 Wind and trees conference (<https://windandtrees2020.com/>), but additional papers are welcome.

Guest Editors

Prof. Dr. Jean-Claude Ruel

Department of Wood and forest sciences, Laval University, 2405 de la terrasse, Quebec, QC G1V 0A6, Canada

Dr. Barry Gardiner

Forest Research, Bush Estate, Roslin EH25 9SY, UK

Deadline for manuscript submissions

closed (20 March 2021)



Forests

an Open Access Journal
by MDPI

Impact Factor 2.4
CiteScore 4.4



mdpi.com/si/37739

Forests
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 2.4
CiteScore 4.4



[mdpi.com/journal/
forests](https://mdpi.com/journal/forests)



About the Journal

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.

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

Author Benefits

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)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.9 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the first half of 2024).