



forests

an Open Access Journal by MDPI



Climate Change and Air Pollution Effects on Forest Ecosystems

Guest Editors:

Dr. Ovidiu Badea

Dr. Alessandra De Marco

Dr. Pierre Sicard

Dr. Mihai A. Tanase

Deadline for manuscript
submissions:

closed (10 October 2021)

Message from the Guest Editors

Both climate change and air pollution have large negative impacts on physiological processes and functions on forest ecosystems. Our ability to take urgent measures to combat climate change and its impact on forest ecosystems and conserve forest biodiversity depends upon knowing the latest scientific results on the status of forest ecosystems. At present, climate and air quality monitoring in forests around the globe is performed in different networks by different organizations. Unfortunately, there are a lot of gaps in our knowledge of the detection and monitoring of their effects on forest ecosystems. There is a need for a better understanding of interactions and fluxes at the ecosystem level and how different pollutants and climate effects are reflected or transferred in quantifiable ecosystem variables in both the short and long term. For the detection and monitoring of air pollution actions in the climate change context to be relevant, there is a need for better science–policy interaction. Use of Earth Observation data for processing, validation, and analysis and new technical developments may provide us with new results in air pollution investigations.



mdpi.com/si/56050

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