Impact of Climate Warming and Disturbances on Forest Ecosystems

Guest Editors:

Dr. Any Mary Petritan
National Research and Development Institute in Forestry "Marin Dracea" | ICAS · Department of Ecology, Bulevardul Eroilor 128, 077190 Voluntari, Romania

Mirela Beloiu
Department of Biogeography, University of Bayreuth, Universitätsstraße 30, 95447 Bayreuth, Germany

Message from the Guest Editors

Forests play a critical role in providing various ecosystem services that contribute to the well-being of society. However, the structure, functionality, and capacity of forests to provide these services are being significantly affected by ongoing climate changes, particularly increases in temperature and frequency of extreme events, followed by associated disturbances. However, global climate change is affecting disturbance regimes and the adaptive capacity of forests at an accelerating rate. In addition, the response of forest ecosystems to climate change and associated disturbances is influenced by the legacy of past management, a poorly studied factor. Therefore, understanding the response of forests to climate warming and the effects of past management will help project how forests will respond to future disturbances and provide guidance for developing future management strategies. In this Special Issue, we encourage contributions from around of world which investigated the forest response to climate changes using methodological approaches from different ecological fields (i. e., dendroecology, wood anatomy, disturbance ecology, silviculture).

Special Issue

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