

Special Issue

Modeling Forest Response to Climate Change

Message from the Guest Editors

The impacts of climate uncertainty pose important questions regarding the capability of forest ecosystems to buffer current and future climate-induced global changes. The role of forest management practices may buffer and/or dampen forest response to extreme events; however, multiple and diversified choices should be tested. In such uncertain scenarios, the role of simulation models and decision support systems is much advocated by the scientific community and policymakers to be able to assess and potentially quantify the behavior and responses of forest ecosystems under varying environmental conditions. In this Special Issue, we encourage and welcome studies introducing new methods, novel applications, and innovative designs to i) model the impacts of climate change on medium- to long-term forest dynamics; ii) assess the impacts of climate change on the delivery of crucial ecosystem services in all forest ecosystems; and iii) analyze, assess, and quantify the impact of climate-induced disturbances on forest carbon cycle, water dynamics, and on the overall forest productivity, in both data-driven and dynamic vegetation models.

Guest Editors

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Deadline for manuscript submissions

closed (31 May 2024)



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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.

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