

Special Issue

Response of Tree Rings to Climate Change and Climate Extremes

Message from the Guest Editors

The frequency and intensity of climate extreme events have increased significantly in the context of global climatic change. Climate change and climate extremes have a profound impact on forest ecosystems.

Therefore, it is critical to understand the response and feedback of tree growth to climate change and climate extremes. Climate change and extreme events are recorded by tree rings, including tree-ring width, stable carbon and oxygen isotopes, density. Tree-ring analysis can provide insights into the seasonal/annual time scale, while wood anatomy and the micro-sampling approach allow us to obtain knowledge on a weekly time scale. We encourage authors of studies on tree rings or wood anatomy from all fields to contribute to this Special Issue. Potential topics include, but are not limited to:

- Impacts of climate change and climate extremes on forest ecosystems
- Response and adaptation of tree growth to climate change
- Extreme events recorded by tree rings
- Climate change and forest carbon sinks
- The water-carbon process of tree growth
- Climate reconstruction based on tree-ring multiple parameters

Guest Editors

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Deadline for manuscript submissions

closed (5 July 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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