



Response of Tree Rings to Climate Change and Climate Extremes

Guest Editors:

Prof. Li Qin

Dr. Lushuang Gao

Prof. Dr. Vladimir V. Shishov

Prof. Dr. Ruibo Zhang

Deadline for manuscript
submissions:

5 July 2024

Message from the Guest Editors

Dear Colleagues,

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





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Editors-in-Chief

Prof. Dr. Cate Macinnis-Ng

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Prof. Dr. Giacomo Alessandro Gerosa

Department of Mathematics and Physics, Catholic University of Brescia, I-25121 Brescia, Italy

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Forests Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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