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Impacts of Extreme Climate Events on Forests

Guest Editors:

Prof. Dr. Wanqin Yang

Prof. Dr. Jianping Tao

Prof. Zhongmin Wu

Dr. Liangjin Yao

Deadline for manuscript
submissions:

closed (30 April 2024)

Message from the Guest Editors

Forests cover 32.3% of the world's land area and play irreplaceable roles in mitigating global climate change, supplying freshwater resources, nursing biodiversity, and conserving water and soil as well as timber production and landscape aesthetics. Extreme meteorological events are threatening the structure and function of forest ecosystems worldwide. Thereby, we urgently need to understand the impacts of extreme meteorological events on global forest ecosystems at different scales and from different fields so as to manage global forests adaptively and sustainably. We are seeking papers from all around the world on the abovementioned questions. This Special Issue will provide an opportunity to present the results from the impacts of extreme meteorological events on tree physiology, tree functional traits, tree adaption, plant–soil feedback, forest biodiversity, post-disaster forest restoration, carbon and nutrient cycling, and related topics such as new concepts or theories that have emerged in the study of the impact of extreme climate on forests.



mdpi.com/si/159571

Special Issue



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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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Contact Us

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

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