Special Issue

Impacts of Extreme Climate Events on Tree Growth and Carbon Dynamics

Message from the Guest Editors

Extreme climate events, such as severe droughts, heatwaves, and floods, are becoming more frequent and intense, significantly affecting tree growth and overall forest dynamics. These extreme events can disrupt normal growth patterns, induce tree stress and mortality, and alter carbon dynamics, ultimately impacting forest productivity and resilience. This Special Issue invites contributions that investigate the effects of extreme climate events on tree growth and carbon cycling in forest ecosystems, offering valuable insights into forest adaptation and resilience strategies in a changing climate. Topics may include, but are not limited to, the following:

- The effects of drought, heatwaves, and other climate extremes on tree growth and forest carbon dynamics;
- Tree ring analysis to assess the impacts of extreme climate events on tree growth and carbon storage;
- The impact of extreme climate events on tree physiology through wood anatomy analysis.

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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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