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Biotic and Abiotic Stress Effects on Tree Growth and Wood Properties

Guest Editor:

Prof. Dr. Thomas Seifert
Chair of Forest Growth and Dendroecology, Albert-Ludwigs-University Freiburg, Tennenbacher Str. 4, 79106 Freiburg, Germany

Deadline for manuscript submissions:
closed (31 October 2022)

Message from the Guest Editor

Dear Colleagues,

A better knowledge of stress-driven modifications of growth and wood properties is essential for forest management in order to take directed decisions on wood productions. It is further vital for wood and fibre utilisation in the bioeconomy.

As a deviation from normal growing conditions, stress substantially affects the structural response of trees. Climate change is certainly one of the stressors currently receiving the most attention, but further abiotic and biotic stressors also lead to substantial structural changes in tree growth and thus to modifications of the wood resource.

In this Special Issue of *Forests*, relevant relationships between biotic and abiotic stress and structural responses of trees are discussed. Special attention is given to structural responses that modify growth and wood properties. Thus, manuscripts that deal with biotic, abiotic, and also multiple stress as interactions of biotic and abiotic stress are invited to this Special Issue. These might encompass climate-related stress but also stress caused by competition, mechanical injuries, fire, fungi, insects, or further agents. Focus should be on the structural tree response to stress.

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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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