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Tree Acclimatization to Wind

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Message from the Guest Editor

Trees are long-living organisms that adjust their structures to the local environment. These adjustments occur on different scales, from modification of cell properties to the shape of the whole. Adjustments also occur in different compartments of the tree, from the root to the crown. Because growth conditions change over their life cycles, trees are continuously readjusting to new conditions. Wind has been identified as an important driver of stand dynamics, as well as a potential constraint on forest management. In this context, understanding how trees acclimate to partial disturbances, either manmade or natural, can be influential in better understanding stand dynamics and reducing tree vulnerability to further wind damage.

For this Special Issue, we encourage contributions that address how trees acclimate to wind, especially after partial disturbances. This Special issue will accept studies looking at a diversity of scales in order to understand the importance of acclimation and the processes involved. Contributions can take the form of either research papers or comprehensive review articles.



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Special Issue



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