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Physiological and Molecular Adaptable Strategies to Abiotic Stress in Forest Trees

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Deadline for manuscript
submissions:

closed (31 August 2023)

Message from the Guest Editor

This Special Issue calls for research articles or reviews that present novel insights into the response mechanisms of trees under single or multiple abiotic stresses. The topics covered in this Special Issue will be of interest for a broad readership in fields of tree physiology, functional ecology, molecular ecology, and global climate change biology.

Potential topics include, but are not limited to, the following:

- Eco-physiological responses to abiotic stress at the whole-plant or organ-tissue levels in trees;
- Neighboring relationship variations between forest trees under environmental stress;
- Molecular adaptable mechanisms to individual or combined environmental stresses;
- Signaling transduction pathway;
- Accumulation of compatible solutes;
- Adjustment of hormonal balance;
- Antioxidative metabolism;
- Different gene expression;
- Synthesis of stress proteins.



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Special Issue



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