Special Issue

The Physiology of Tree Response to Drought

Message from the Guest Editor

Understanding the potential impacts of future drought events on trees is critical to managing forests for resilience to climate change. Drought resilience can be enhanced through a variety of forest management practices such as stand density and age management, species selection, management of disturbance regimes, and assisted tree migration. Managing forests for drought resilience requires the identification of tree physiological mechanisms that may affect drought avoidance, resistance, and recovery, particularly in mature trees, and forest management practices that may mitigate the impacts of drought. The goal of this Special Issue is to present novel research on tree physiological responses to drought that increase our understanding of key mechanisms related to tree and forest drought resilience. Articles in this Special Issue will contribute to the development of climate adaptation strategies for the management of forest ecosystems.

Guest Editor

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