



Emerging Principles of Tree Biology in the Omics Era

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Message from the Guest Editors

This Special Issue of *Forests* will feature reviews and opinion papers on “Emerging Principles of Tree Biology” based on contributed and invited presentations of a workshop hosted by the Schatz Center for Tree Molecular Genetics at Penn State University. Articles may include such topics as: Interactions at the rhizosphere microbiome, tree-pest, and tree-to-tree defense interfaces; Tree architecture and its role in abiotic and biotic stress resistance; The evolution of reproductive life history traits in trees and their implications for adaptation to rapid climate change; Landscape genetics for understanding the impacts of silvicultural management practices in sustaining the ecology of forests; The role of wood-based biomaterials in achieving renewable carbon-neutral industries; and others.

Keywords

- tree biology advances
- woody perennials
- integrated research
- emerging principles





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