

Special Issue

Water Relations in Tree Physiology

Message from the Guest Editors

Research on tree water physiology is essential for understanding plant ecological strategies in different habitats; it also has important implications for plant evolution, biointeraction, community assembly, and ecosystem functions. However, many questions remain unresolved regarding trees' water use strategies, especially in the context of climate change. This Special Issue will focus on the physiological processes of water acquisition, transport, storage, and loss in trees, exploring scientific questions such as water use strategies, niche differentiation, the trade-off between water transport efficiency and safety, and recovery and mortality mechanisms under extreme climates. Contributions are welcome at the individual, population, community, and ecosystem levels, with research methods including, but not limited to, molecular, morphological, anatomical, isotopic, spectroscopic, and remote sensing approaches. Novel methods in the study of water relations in tree physiology are especially encouraged, and original research papers, reviews, and meta-analyses are all within the scope for publication.

Guest Editors

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Message from the Editor-in-Chief

Forests (ISSN 1999-4907) is an international and cross-disciplinary, scholarly forestry journal. The distinguished editorial board and refereeing process ensures the highest degree of scientific rigor and review of all published articles. Original research articles and timely reviews are released online, with unlimited free access. Our goal is to have *Forests* be recognized as one of the foremost publication outlets for high quality, leading edge research in this broad and diverse field. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global forestry community.

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