Special Issue

New Insights into Hydraulic Anatomy and Function of Trees

Message from the Guest Editor

Different aspects of plant hydraulics have been widely investigated, including the regulation of water movement through both the vascular (xylem structure) and extravascular (aquaporin function) pathways, as well as coordination with stomatal conductance and carbon metabolism. Yet, the effect of global climate change. which creates considerable geographical variability in a climate with increasing incidence of extremes, on plant hydraulic functioning needs to be scrutinized now more than ever. With this Special Issue of *Forests*, we aim to provide new insights into the structure-function relationships of plant water relations, with specific emphasis on trees and forests. We call for manuscripts in the form of original research or review papers that address novel aspects of tree hydraulics at the molecular, whole-tree and ecosystem level, especially in the context of global climate change.

Guest Editor

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closed (15 January 2023)



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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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