

Special Issue

Groundwater and Water Use Efficiency of Mixed-Species Forests

Message from the Guest Editors

We are seeking excellent papers on the water use efficiency (WUE) of mixed-species forests. We are particularly interested in articles that explore the effect of access to groundwater on the WUE of trees, and how WUE changes with variation in depth to groundwater caused by natural fluctuations in recharge or by anthropogenically driven changes. How is the carbon assimilation–transpiration relationship affected and how does the WUE relationship to environmental drivers change as groundwater availability changes on a seasonal or interannual basis? Are there long-term trends in WUE linked to changes in groundwater availability due to global change processes? Further, how are these forests adapting? What are the trade-offs in productivity and water use made by natural systems to retain resilience against extreme climatic and other threats, such as fire and disease? The aim this issue is to increase our understanding of the role of groundwater in regulating the connection between growth and water use in natural forests and thus promote effective forest management strategies to conserve the ecosystem services they provide.

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Deadline for manuscript submissions

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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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