



Groundwater and Water Use Efficiency of Mixed-Species Forests

Guest Editors:

Assoc. Prof. Dr. Richard Silberstein

Centre for Ecosystem Management, School of Science, Edith Cowan University, 270 Joondalup Drive, Joondalup, Western Australia

r.silberstein@ecu.edu.au

Prof. Dr. Ray Froend

Centre for Ecosystem Management, School of Science, Edith Cowan University, Western Australia

r.froend@ecu.edu.au

Dr. Donald White

School of Forestry, University of Tasmania, Hobart, Tasmania

whitegunfmr@gmail.com

Deadline for manuscript submissions:

30 July 2019

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.





Editor-in-Chief

Prof. Dr. Timothy A. Martin

School of Forest Resources and Conservation, PO Box 110410, University of Florida, Gainesville, Florida, 32611-0410, USA

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High visibility: indexed by the Science Citation Index Expanded (Web of Science), Ei Compendex, GeoBase, Scopus and other databases.

CiteScore 2017 (Scopus): **2.31**, which equals rank 17/129 (Q1) in the 'Forestry' category.

Contact Us

Forests
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
Fax: +41 61 302 89 18
www.mdpi.com

mdpi.com/journal/forests
forests@mdpi.com