forests

an Open Access Journal by MDPI

IMPACT FACTOR 2.5

CITESCORE 4.6

Forest Physiological and Ecological Processes: Ecophysiology from Molecules to Ecosystems

Guest Editors:

Dr. Doug P. Aubrey
1. University of Georgia's Savannah River Ecology Laboratory, PO Drawer E, Aiken, SC 29802, USA
2. Warnell School of Forestry and Natural Resources, UGA, Athens, GA 30602, USA

Dr. Daniel Johnson
Warnell School of Forestry and Natural Resources, University of Georgia, Athens, GA 30602, USA

Dr. William M. Hammond
Agronomy Department, University of Florida, Gainesville, FL, USA

Deadline for manuscript submissions:
closed (25 August 2022)

Message from the Guest Editors

Understanding how abiotic and biotic factors influence the physiology of forest organisms and how physiological mechanisms of forest organisms regulate ecosystem processes and biogeochemical cycles—in other words, the study of forest ecophysiology—is key to maintaining forest ecosystem services under intensifying natural and anthropogenic pressures. Forest organisms have a range of 22 orders of magnitude in mass, from the tiniest microbes to the largest tree, and ecophysiological techniques measure processes at spatial scales that span even more orders of magnitude in size, from tracing individual molecules to satellite imagery of regional, continental, and global landscapes. The empirical and modeling approaches used to study forest ecophysiology are similarly diverse. In this Special Issue, we broadly explore current research designed to improve our understanding of interactions between forest physiological mechanisms and ecosystem processes in both managed and unmanaged forest ecosystems worldwide. We welcome contributions reporting experimental results from a variety of techniques, including modeling, as well as theoretical results and topical reviews.

forests

IMPACT FACTOR 2.5

CITESCORE 4.6

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giacomo Alessandro Gerosa
Department of Mathematics and Physics, Catholic University of Brescia, I-25121 Brescia, Italy

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 within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, PubAg, AGRIS, PaperChem, and other databases.
Journal Rank: JCR - Q2 (Forestry) / CiteScore - Q1 (Forestry)

Contact Us

Forests Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/forests
forests@mdpi.com
𝕏@Forests_MDPI