



Radial Tree-Ring Traits Variation in Relation to Climate Factors

Guest Editor:

Prof. Emilia Gutiérrez Merino

Department of Ecology,
University of Barcelona, 08007
Barcelona, Spain

Deadline for manuscript
submissions:

closed (20 May 2020)

Message from the Guest Editor

Tree radius growth occurs based on xylem increments on structures already formed. Tree-rings, annually resolved radial xylem increments. Thus, xylem traits are important variables involved in tree performance and forest function due to the physiological processes involved and the structural traits of the xylem in tree trunk growth.

Trees are necessarily highly plastic in their response to environmental factors. In addition, conflicting demands on the xylem structure can appear under different environmental conditions. Under these circumstances, there are changes in the xylem traits, such as modifications in the cell morphology and chemical composition, changes in cellulose and lignin proportions, and changes in the proportion of cell types, that at the same time induce changes in higher level traits.

We encourage studies from all fields of dendroecology with or without ecophysiological research, including experimental studies, monitoring approaches (phenology, dendrometer records) and models to contribute to this Special Issue in order to promote knowledge and adaptation strategies for the preservation, management, and future development of forest ecosystems.





an Open Access Journal by MDPI

Editors-in-Chief

Prof. Dr. Cate Macinnis-Ng

Department of Biological Sciences, Faculty of Science, University of Auckland, Private Bag 92019, Auckland 1142, New Zealand

Prof. Dr. Giacomo Alessandro Gerosa

Department of Mathematics and Physics, Catholic University of Brescia, I-25121 Brescia, Italy

Message from the Editorial Board

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 - Q1 (*Forestry*) / CiteScore - Q1 (*Forestry*)

Contact Us

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

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

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