



Dendroecological Wood Anatomy and Xylogenesi

Guest Editor:

Dr. Ignacio García-González

Departamento de Botánica,
Universidade de Santiago de
Compostela, EPSE, Campus
Terra, 27002 Lugo, Spain

Deadline for manuscript
submissions:

closed (10 June 2021)

Message from the Guest Editor

In recent years, dendrochronology analysis has evolved from the ‘classical’ analysis of tree-ring width to more functional-related trends in order to better understand the role of environmental factors on tree performance. Among them, wood anatomy is one of the fields that has deserved more attention. For the last two decades, the measurement of anatomical traits such as conduit size has been proven to broaden the possibilities to establish robust climate–growth relationships for many tree species and thus contribute to the study of their behavior to face global change. However, understanding the environmental responses of trees requires not only the existence of a strong association but also the existence of reliable cause–effect relationships. The analysis of the dynamics of wood formation (xylogenesi) is a powerful tool to establish this link. In this Special Issue, we welcome all studies dealing with tree-ring formation and its relation to the environment, from cambial activity to the resulting wood structure, with a special focus on those characteristics or processes that provide information at an annual or intra-annual scale.





forests



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, Grosspeteranlage 5
4052 Basel, Switzerland

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

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