



forests



an Open Access Journal by MDPI

Wood as Biomechanical Structure

Guest Editor:

Dr. Marcin Jakubowski

Faculty of Forestry and Wood
Technology, Poznań University of
Life Sciences, ul. Wojska
Polskiego 28, 60-637 Poznań,
Poland

Deadline for manuscript
submissions:

closed (15 July 2022)

Message from the Guest Editor

Dear Colleagues,

This Special Issue is intended for research related to wood structure variations and mechanical load. Wood as a biological structure is created by nature for many tasks, and trees use different strategies with regard to energy cost. The process of radial growth and heartwood formation seems like a compromise between sap flow for crown and mechanical support. Various environmental conditions affect the tree to create natural modifications of tissue, such as compression wood, tension wood or other variations in cell wood structures.

The purpose of this Special Issue is to discuss two points of view: wood as a biological product of trees and as a material for industry. Specifically, this Special Issue will focus on variations in wood properties and wood anatomy under site conditions, tree architecture, extreme factors, tree planting, tree selection, and wood testing. Both original works and reviews are welcome.

Prof. Dr. Marcin Jakubowski
Guest Editor



mdpi.com/si/74899

Special Issue



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