



forests

an Open Access Journal by MDPI



Physical and Mechanical Properties of Wood- and Bamboo-Based Materials

Guest Editors:

Dr. Xuehua Wang

College of Furnishings and Industrial Design, Nanjing Forestry University, Nanjing 210037, China

Prof. Dr. Yan Wu

College of Furnishings and Industrial Design, Nanjing Forestry University, Nanjing 210037, China

Deadline for manuscript submissions:

15 July 2024

Message from the Guest Editors

Wood and bamboo, with their rich historical significance, are utilized across various sectors and offer advantages such as environmental sustainability, strength-to-weight ratio, and seismic resilience, while facing drawbacks like dimensional instability and limited fire resistance, thus prompting the use of techniques like lamination gluing and reagent impregnation for enhancement, aiming to expand their applications and lifespan, contributing to carbon sequestration.

This Special Issue is poised to provide an avenue for scholars and stakeholders to remain at the vanguard of advancements in the field of the physical and mechanical properties of wood and bamboo. Those with an interest in the physical and mechanical attributes of wood and bamboo are cordially invited to collaborate and disseminate their latest accomplishments in this domain.



mdpi.com/si/192905

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, 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