



Novel Insights into the Evaluation of Mechanical Properties of Wood and Wood Products

Guest Editors:

Dr. Carlos Martins

Institute for Sustainability and Innovation in Structural Engineering (ISISE), University of Coimbra, 3030-788 Coimbra, Portugal

Dr. Sofia Knapic

1. SERQ—Centro de Inovação e Competências da Floresta (Innovation and Competence Forest Centre), 6100-711 Sertão, Portugal

2. ISISE (Institute for Sustainability and Innovation in Structural Engineering)—University of Coimbra, 3030-788 Coimbra, Portugal

Deadline for manuscript submissions:

31 March 2025

Message from the Guest Editors

The use of wood is continuously growing in different markets. Presently, it is possible to observe a worldwide movement to increase the use of wood in the construction sector, the idea being to tackle climate change through renewable resources.

The aim of this Special Issue is to promote and disseminate the most recent advances in the study of the mechanical properties of wood and wood products (e.g., sawn wood, engineered wood products, plywood, wood panels, among other products) for structural and non-structural applications. Moreover, this Special Issue will focus on new advances in grading processes based on the use of non-destructive methodologies and/or experimental characterization of wood products, and the definition of mechanical properties from underutilized and emerging species, as a way to increase the range of species suitable for engineered wood products.

We encourage authors to submit manuscripts containing scientific findings in the field of grading timber, experimental and numerical characterization of wood products, and review papers. Results related to the potential of underutilized species are welcome.





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