



forests

an Open Access Journal by MDPI



Wood-Based Composite Materials and Products: Development and Performance Characterization

Guest Editor:

Dr. André Luís Christóforo

Department of Civil Engineering,
Federal University of São Carlos,
São Carlos 13565-905, Brazil

Deadline for manuscript
submissions:

closed (15 December 2023)

Message from the Guest Editor

Dear Colleagues,

Regardless of the dimensions and shape of the parts of processed wood, wood-based composites have been manufactured for the most diverse purposes, including uses in furniture (Medium Density Particleboard (MDP), Medium Density Fiberboard (MDF), etc.), materials such as thermal-acoustic insulation, and frameworks (Oriented Strand Board (OSB), Laminated Veneer Lumber (LVL), etc.). The search for materials that have less impact on humans and nature motivates the development of new adhesives. Modified adhesives are usually used in the manufacture of panels with the inclusion of other natural fibers (by-products), residues from synthetic products that are potential aggravating factors for the environment, heat treatments aimed at producing the best performance of these composites under different weather conditions, and to stop attacks by xylophagous agents, among others. This Special Issue focuses on the dissemination of research on alternative wood-based composites and various lignocellulosic residues, as well as their potential applications.



mdpi.com/si/171021

Special Issue



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, 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