

Special Issue

Physical and Mechanical Properties of Wood- and Bamboo-Based Materials: 2nd Edition

Message from the Guest Editors

Wood and bamboo are vital biomass materials with a long history in human civilization, used in construction, furnishings, and transportation. They offer benefits like environmental sustainability, a strong strength-to-weight ratio, good seismic resilience, and aesthetic appeal, but also face challenges such as variable dimensional stability and limited fire resistance. To enhance their properties and meet diverse needs, techniques like lamination gluing, reagent impregnation, and softening treatments are employed, improving stability, strength, and processing capabilities. These methods also utilize the carbon sequestration potential of wood and bamboo, aiding in carbon dioxide reduction. This Special Issue provides a platform for scholars and stakeholders to explore advancements in the physical and mechanical properties of wood and bamboo, inviting researchers to share their latest findings in this area.

Guest Editors

Dr. Xuehua Wang

Prof. Dr. Xiazhen Li

Dr. Sarath Vega Gutierrez

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Forests
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
forests@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Giacomo Alessandro Gerosa

Department of Mathematics and Physics, Catholic University of Brescia,
I-25121 Brescia, Italy

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