

Special Issue

Modification and Property Improvement of Wood- and Bamboo-Based Materials

Message from the Guest Editors

Wood and bamboo possess natural carbon fixation abilities. As means of carbon storage, wood/bamboo products and buildings have obvious advantages in terms of environmental benefits. Compared with traditional materials, wood/bamboo material owns a lower carbon emission factor, meaning that the carbon emissions are low during production, transportation, construction, operation and demolition stages. Promoting the development of wood/bamboo processing according to local conditions is of great practical significance in the exploration of the potential application fields of wood/bamboo products and in reducing energy consumption and carbon emissions. With the goal of highlighting recent advances in wood/bamboo modification or processing technologies, this Special Issue will publish original research work or forward-looking literature reviews that focus on exploring wood/bamboo modification technologies and understanding the corresponding mechanisms of property improvement. We invite related works on advanced modified techniques and their practical applications in the above areas.

Guest Editors

Prof. Dr. Yanjun Li

College of Materials Science and Engineering, Nanjing Forestry University, Longpan Road 159, Nanjing 210037, China

Dr. Zhichao Lou

Jiangsu Co-Innovation Center of Efficient Processing and Utilization of Forest Resources, Nanjing Forestry University, Nanjing 210037, China

Deadline for manuscript submissions

closed (30 September 2023)



Forests

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 4.6



mdpi.com/si/160469

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

[mdpi.com/journal/
forests](https://mdpi.com/journal/forests)





Forests

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 4.6



[mdpi.com/journal/
forests](https://mdpi.com/journal/forests)



About the Journal

Message from the Editor-in-Chief

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

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, PubAg, AGRIS, PaperChem, and other databases.

Journal Rank:

JCR - Q2 (Forestry) / CiteScore - Q1 (Forestry)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.1 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).