

Special Issue

Performance and Modification of Wood and Wood-Based Materials

Message from the Guest Editors

Wood remains one of the most attractive construction materials. However, its applications are limited because it undergoes biological degradation, is combustible, and changes its properties under the influence of weathering conditions. Many of these disadvantages of solid wood are to some extent eliminated in wood-based materials such as plywood, particleboard, fiberboard, OSB, etc. Therefore, the problem of improving the properties of wood and wood-based materials is still in need of solutions. One of the effective ways to improve the properties of wood and wood-based materials is to modify them by conventional (thermal, chemical etc.) or the latest (plasma treatment) processes. With regard to wood-based materials, it is possible to treat their components (particles, fibers, glue, etc.) and the use them in wood-based materials or to use the post-treatment of ready-made materials to improve their certain properties. Emphasis in this Special Issue is placed on updating and expanding the knowledge concerning conventional and novel modification processes of wood and wood-based materials, their improved/modified properties, and their relevant applications.

Guest Editors

Dr. Tomasz Krystofiak

Laboratory of Gluing and Finishing of Surface, Department of Wood Science and Thermal Techniques, Poznan University of Life Sciences, Wojska Polskiego 38/42 St., 60-627 Poznan, Poland

Prof. Dr. Pavlo Bekhta

Department of Wood-Based Composites, Cellulose and Paper, Ukrainian National Forestry University, 79057 Lviv, Ukraine

Deadline for manuscript submissions

closed (25 November 2022)



Forests

an Open Access Journal
by MDPI

Impact Factor 2.4
CiteScore 4.4



mdpi.com/si/96431

Forests
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 2.4
CiteScore 4.4



[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 - Q1 (Forestry) / CiteScore - Q1 (Forestry)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.2 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the second half of 2024).