

Special Issue

Wood and Wood-Based Composites: New Frontiers in Modification, Performance, and Sustainability

Message from the Guest Editor

In recent decades, wood and wood-based composites have garnered extensive attention. With a growing global demand for sustainable development and green building materials, new technologies and approaches for utilizing these natural resources have become a focal point in both scientific research and the industry. This Special Issue aims to compile and showcase the latest research findings on modification techniques and emerging applications of wood and its composites.

This Special Issue will explore physical, chemical, and biological methods for modifying wood and wood-based composites and how these modifications can enhance the materials' performance, durability, and functionality. We are interested in innovative techniques that improve the materials' resistance to microbes, fire, water, and mechanical forces. Additionally, this Special Issue will delve into the applications of these materials in construction, furniture, packaging, the automotive industry, and beyond. Authors are welcome to submit their latest research on this topic in the form of original research or review articles.

Guest Editor

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Message from the Editor-in-Chief

Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.7.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Alexander Böker

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