

Special Issue

Eco-Friendly Wood-Based Composites—Challenges and Prospects

Message from the Guest Editors

This Special Issue focuses on eco-friendly wood-based materials, composites, and wood-polymer hybrids, with particular attention paid to their application in various industries. Special attention will be paid to the use of alternative wood and non-wood raw materials in the production of wood-based panels, as well as modern methods of reinforcing these materials, with emphasis on the use of synthetic materials, biopolymers, and eco-friendly binding agents. We are interested in innovative methods of modifying wood and composites, including technologies for manufacturing, structural optimization, and improving the mechanical, thermal, and resistance properties of materials. In addition, we encourage research on synthetic and bio-based binding agents that can be used in the production of wood-based materials. As part of this issue, we will also consider modern methods of finishing the surface of wood-based materials, which will provide additional protection for composites against mechanical damage, moisture, UV radiation, and other external factors, while maintaining the ecological character of these materials.

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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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