

Special Issue

Processing and Manufacturing of Wood-Based Composites

Message from the Guest Editors

Wood-based composites are made from various wood or ligno-cellulosic non-wood materials (shape and origin) that are bonded together using either natural bonding or synthetic resin (e.g., thermoplastic or duroplastic polymers), or organic (e.g., plastics)/inorganic binders (e.g. cement). This product mix ranges from panel products (e.g., plywood, particle board, strand board, or fiber board) to engineered timber substitutes (e.g., laminated veneer lumber or structural composite lumber). These composites are used for a number of structural and non-structural applications in product lines ranging from interior to exterior applications (e.g., furniture and architectural trims in buildings). This Special Issue will present articles on basic and applied research that deals with water-composite relations, composite durability, composite modification, composite mechanics, engineered wood products, energy conversion, eco-efficient wood-based products, and so on.

Guest Editors

Dr. Zhe Wang

College of Chemistry and Materials Engineering, Zhejiang Agriculture and Forestry University, Hangzhou, China

Dr. Yizhong Cao

Zhejiang Agriculture and Forestry University, College of Chemistry and Materials Engineering, Hangzhou, China

Dr. Jin Wang

Zhejiang Forestry Academy, Hangzhou, China

Deadline for manuscript submissions

closed (10 July 2023)



Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



mdpi.com/si/157381

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

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





Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



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



About the Journal

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 4.9.

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

Fraunhofer-Institut für Angewandte Polymerforschung, Lehrstuhl für Polymermaterialien und Polymertechnologie, Universität Potsdam, Geiselbergstraße 69, 14476 Potsdam-Golm, Germany

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubMed, PMC, FSTA, CAPIus / SciFinder, Inspec, and other databases.

Journal Rank:

JCR - Q1 (Polymer Science) / CiteScore - Q1 (General Chemistry)