

## Special Issue

# Advances in Wood-Based Materials and Wood Polymer Composites

### Message from the Guest Editors

Wood is a renewable and eco-friendly natural biopolymer that is widely used in various fields. Wood is mainly composed of cellulose, hemicellulose, lignin, and extractives. However, these natural polymeric materials are also susceptible to ultraviolet light, microorganisms and insects, fire, moisture, and chemicals and thus affect the durability of wood-based materials in service. To overcome the drawbacks of wood, the application of wood polymer composites has attracted increasing research interests in recent decades. Additionally, wood polymer composites are eco-friendly and budget-friendly biomaterials compared to synthetic polymers.

The scope of this Special Issue is to cover all aspects related to the wood polymer composites. We would like to invite the authors submit their latest research related to this topic in the form of original research and review articles.

#### Keywords:

- wood
- natural fiber
- composite
- polymer
- wood-based materials
- lignocellulose

---

### Guest Editors

Dr. Shang-Tse Ho

Department of Wood Based Materials and Design, National Chiayi University, Chiayi 600, Taiwan

Prof. Dr. Han-Chien Lin

Department of Wood Based Materials and Design, National Chiayi University, Chiayi 600, Taiwan

---

### Deadline for manuscript submissions

closed (25 December 2023)



## Polymers

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.7  
Indexed in PubMed



[mdpi.com/si/96991](https://mdpi.com/si/96991)

*Polymers*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[polymers@mdpi.com](mailto: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 4.7.

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

Lehrstuhl für Polymermaterialien und Polymertechnologie, University of Potsdam, 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, CAPlus / SciFinder, Inspec, and other databases.

#### Journal Rank:

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