

## Special Issue

# Fiber-Reinforced Polymer Composites

### Message from the Guest Editor

Fiber-reinforced polymer composites have many advantages, such as high strength, low density, and ease of processing, and have been used in many areas, such as energy, aerospace, automobiles, and construction. The incorporation of two or more fibers into a single polymer matrix leads the development of a hybrid composite. In the last two decades, different fibers and fiber-reinforced polymer composites have been introduced and developed in order to modify the composite properties and expand their areas of application. In this sense, economic indicators and market dynamics suggested that the market for composite materials is booming, and the dominant materials are carbon fibres, glass fibres and thermoset polymer (polyester resin) in resin segments. In particular, the functionalization and intellectualization of fiber-reinforced polymer composites have become a trend in research and development in terms of new energy sources, new materials, energy conservation, environmental protection, biomedicine, information networks, and high-end manufacturing.

### Guest Editor

Dr. Jianxiao Yang

College of Materials Science and Engineering, Hunan University,  
Changsha 410082, China

### Deadline for manuscript submissions

closed (15 May 2024)



## Polymers

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.7  
Indexed in PubMed



[mdpi.com/si/106925](https://mdpi.com/si/106925)

*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)