

Special Issue

Advanced Experimental Mechanics in Polymer Composites Testing

Message from the Guest Editor

The Special Issue titled “Advanced Experimental Mechanics in Polymer Composites Testing” aims to highlight innovative approaches and methodologies in the testing and analysis of polymer composites. As these materials gain prominence in various sectors, including aerospace, automotive, and construction, understanding their mechanical behavior under diverse loading conditions becomes paramount. This Issue will feature a collection of original research article/review papers that explore the mechanical characterization of polymer composites, including tensile, compressive, and impact testing, as well as the effects of environmental factors on their performance. Additionally, interdisciplinary studies that combine experimental results with computational modeling to enhance material understanding will be welcomed. By fostering collaboration among researchers and industry professionals, this Special Issue aims to advance the field of polymer composites and promote innovative testing strategies.

Guest Editor

Prof. Dr. Wenfeng Hao

College of Mechanical Engineering, Yangzhou University, Yangzhou 225127, China

Deadline for manuscript submissions

30 June 2026



Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



mdpi.com/si/222093

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)