

Special Issue

Mechanical and Structure–Property Relationships of Polymer Composites

Message from the Guest Editor

Polymer composites comprise a combination of regular polymer materials with other components, such as inorganic fillers (glass, carbon, metal particles/fibres/sheets), other polymeric components (Kevlar, cellulose etc.) or even liquid/gases. These combinations, implemented through chemical/physical connection between different components, leads to rather complex phase structure at the micro/nanoscale and exhibit unique mechanical responses to external stimuli. This Special Issue will present the latest findings from the widespread research community in this field to promote a greater understanding and improved design of microscopic phase structures required for the obtainment of mechanical properties for many advanced applications.

Guest Editor

Dr. Zilu Wang

Department of Chemistry, University of North Carolina Chapel Hill, Chapel Hill, NC 27599, USA

Deadline for manuscript submissions

closed (10 October 2023)



Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



mdpi.com/si/116897

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)