

Special Issue

Structure, Properties and Analyses of Polymer Composites

Message from the Guest Editors

The scope of this Special Issue encompasses a wide range of topics related to polymeric matrix composites in engineering applications. Besides traditional fiber-reinforced composites, novel composites, works including nanocomposites, biocomposites, and energy composites are welcome. Authors are encouraged to develop novel experimental approaches for the synthesis of high-performance composites and utilize a diverse range of characterization techniques to explain the underlying behaviors of materials. We invite you to contribute original research articles, reviews, and perspectives that delve into the synthesis, characterization, and application of polymer composites in this diverse array of engineering-related areas. This Special Issue aims to foster knowledge exchange, inspire new ideas, and propel advancements in polymer composites and their multifaceted roles in engineering-related fields. Your valuable contributions will undoubtedly enrich scientific discourse and drive the development of sustainable energy solutions. We look forward to receiving your submissions and thank you for your support.

Guest Editors

Dr. Xujiang Chao

School of Mechanical Engineering, Northwestern Polytechnical University, Xi'an 710072, China

Dr. Wenlong Tian

School of Mechanical Engineering, Northwestern Polytechnical University, Xi'an 710072, China

Deadline for manuscript submissions

closed (31 October 2025)



Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



mdpi.com/si/219302

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)