

Special Issue

Rubber Chemistry and Materials: Design, Processing, and Advanced Applications

Message from the Guest Editor

Elastomeric rubber has become an indispensable material, permeating nearly every aspect of modern industry and daily life, ranging from automotive tires, industrial seals, and medical devices to aerospace components and renewable energy equipment. Many traditional rubber materials are gradually being unable to meet the increasingly rigorous requirements of extreme service conditions, environmental friendliness, and high performance, which is driving continuous innovation in rubber chemistry, material design, processing technology, and application development. To systematically showcase the latest research achievements, clarify frontier research directions, and promote academic exchanges and industrial transformation in the field of rubber chemistry and materials, we organize this Special Issue of *Polymers* focusing on “Rubber Chemistry and Materials: Design, Processing, and Advanced Applications”.

Guest Editor

Dr. Feng Wang

Key Laboratory of Rubber-Plastics, Ministry of Education/Shandong Provincial Key Laboratory of Rubber-Plastics, Qingdao University of Science & Technology, Qingdao 266042, China

Deadline for manuscript submissions

31 October 2026



Polymers

an Open Access Journal
by MDPI

Impact Factor 5.8
CiteScore 11.0
Indexed in PubMed



mdpi.com/si/274751

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 5.8
CiteScore 11.0
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 5.8.

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 (Polymers and Plastics)