

Special Issue

Novel Polymers for Sensing and Biosensing Applications

Message from the Guest Editors

This Special Issue, "Novel Polymers for Sensing and Biosensing Applications", aims to explore the latest advancements in polymer-based materials designed for sensing and biosensing technologies. Polymers have emerged as versatile platforms due to their tunable properties, biocompatibility, and ability to be engineered at the molecular level. This Issue will highlight innovative research that focuses on the development of novel polymeric materials, including conductive polymers, hydrogels, and nanocomposites, which enhance the sensitivity and selectivity of sensors. Contributions may cover a range of applications, from environmental monitoring and food safety to medical diagnostics and wearable devices. We invite researchers to submit original research articles and reviews that address the challenges and opportunities in the field of polymer-based sensors and biosensors.

Guest Editors

Dr. Qi Mao

School of Instrument Science and Technology, State Key Laboratory for Manufacturing Systems Engineering, International Joint Laboratory for Micro/Nano Manufacturing and Measurement Technology, Xi'an Jiaotong University, Xi'an 710049, China

Dr. Shi-Ming Wang

Light Industry College, Liaoning University, Shenyang 110036, China

Deadline for manuscript submissions

closed (31 July 2025)



Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



mdpi.com/si/224367

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 4.7.

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)