

Special Issue

Polymer-Based Sensors

Message from the Guest Editors

The field of utilizing polymer-based devices in sensing applications is rapidly extending and evolving. Sensors utilizing various polymers and their properties find applications in almost every aspect of life and scientific research, e.g., engineering or chemical and biological sensing. What is more, recent progress has also introduced many new types of “smart” materials, for example, with self-healing properties, which may be used for sensing. A novel approach presented in recent years is to utilize polymers to create multipurpose sensors, which combine more than one simultaneous sensing capability in a single sensor. An important field utilizing polymer technology for optical sensing is also fiber optics, which includes not only many types of plastic optical fibers with their special properties, but also silica-based optical fibers combined with polymer transducers. This Special Issue aims to compile original and cutting-edge research works in the field of characterization, manufacturing, and applications of polymer-based sensors.

Dr. Michal Dudek

Guest Editors

Dr. Michał Dudek
Dr. Michał Czerwiński
Dr. Karol Stasiewicz

Deadline for manuscript submissions

closed (30 June 2022)



Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



mdpi.com/si/71333

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)