

## Special Issue

# Polymers' Role in Sensors: Resistant Solid Supports or Multi-Purpose Sensing Units?

### Message from the Guest Editors

Polymeric materials and sensing devices undoubtedly represent two of the hottest research topics in recent years. Among all the classifications and categorizations, a clear distinction can be drawn between (i) sensing devices that take advantage of polymeric materials' unique physicochemical and mechanical properties exploiting them as inherent solid supports and (ii) sensors in which polymers play an active role in the detection of target analytes by a modification of their properties under external inputs. This Special Issue aims to collect the latest ground-breaking developments reached in the field of polymer-based sensors with a particular relevance to emerging and pathbreaking devices, exploiting either unusual polymeric materials, peculiar detection techniques, or multivariate approaches to data treatment.

### Guest Editors

Dr. Lisa Rita Magnaghi

Prof. Dr. Raffaella Biesuz

Dr. Alessandra Bonanni

### Deadline for manuscript submissions

closed (30 March 2023)



## Polymers

an Open Access Journal  
by MDPI

Impact Factor 4.9  
CiteScore 9.7  
Indexed in PubMed



[mdpi.com/si/123743](https://mdpi.com/si/123743)

*Polymers*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[polymers@mdpi.com](mailto: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)