

Special Issue

Polymer Based Bio-Sensors

Message from the Guest Editor

The inherent biocompatibility, and the unique optical, electrical, and mechanical properties of polymers have attracted attention from various fields, such as energy, as well as environmental and bio-applications.

Especially, polymer-based biosensors, including enzyme-, tissue-, DNA-, aptamer-, and protein-based biosensors, have been rapidly developed, owing to their high-performances. This Special Issue invites original papers and reviews reporting on recent progress in the following areas: - Fabrication methods of the polymers with enlarged surface areas and their biosensor applications

- Chemical and physical surface modification of polymers to improve sensing performances
- Next-generation polymer-based biosensors
- Integration process of polymer-based biosensors into smart devices and their point-of-care test
- Properties of polymer-based biosensors
- Biological properties of polymer-based biosensors

Guest Editor

Dr. Oh Seok Kwon

Korea Research Institutes for Bioscience and Biotechnology, Daejeon 305-806, Republic of Korea

Deadline for manuscript submissions

closed (31 December 2019)



Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



mdpi.com/si/10347

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

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)