



Polymer Based Bio-Sensors

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)

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





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Alexander Böker

Lehrstuhl für Polymermaterialien
und Polymertechnologie,
University of Potsdam, 14476
Potsdam-Golm, Germany

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 5.0.

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.

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)

Contact Us

Polymers Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/polymers
polymers@mdpi.com
X@Polymers_MDPI