Special Issue

Polymer-Based Sensors and Biosensors: Synthesis, Characterization and Application

Message from the Guest Editors

With significantly advanced polymer synthesis and characterization techniques, polymer-based materials have attracted tremendous attention in different fields over the past few decades, such as pharmacy, biology, biomedical engineering, etc. In order to extend the bioanalytical applicability of innovative polymer-based sensors, a large variety of materials including pure polymers and polymer-based composites have been widely explored from a range of diverse perspectives, owing to the sophisticated manufacturing processes and tailorable characteristics of polymers. Despite these advantages, the mechanical properties, electrochemical activity, durability, biocompatibility, biodegradability, bioactivity, environmental stability, cost, etc., need to be optimized and tuned for the advancement of sensing performance of these analytical and bioanalytical systems. This Special Issue collects original research and reviews presenting recent advances on the novel, environmentally friendly and multi-functional polymerbased materials applied in the fields of sensors.

Guest Editors

Dr. Jie Luo

Prof. Dr. Yong Hu

Dr. Zhongzheng Yu

Deadline for manuscript submissions

closed (31 May 2022)



Polymers

an Open Access Journal by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



mdpi.com/si/101403

Polymers
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
polymers@mdpi.com

mdpi.com/journal/polymers





Polymers

an Open Access Journal by MDPI

Impact Factor 4.9 CiteScore 9.7 Indexed in PubMed



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)

