Special Issue

Molecularly Imprinted Polymer-Based Sensors

Message from the Guest Editor

It is a pleasure to invite you to contribute a paper to this Special Issue, “Molecularly Imprinted Polymer-Based Sensors”. Molecularly imprinted polymer (MIP)-based sensors combine the selectivity recognition property of the MIP and the sensitive detection property of traditional detection methods, such as electrochemical sensors and fluorescent sensors. These can overcome many limitations of traditional detection methods and provide opportunities for efficient, sensitive, and low-cost detection using smart miniaturized equipment. With highly specific molecular recognition capacity and high stability in harsh chemical and physical conditions, MIPs have been used in sensing platforms such as electrochemical, optical, and mass-sensitive sensors as promising alternatives to bio-receptors for food analysis. MIP-based sensors have been widely used in environmental pollutants, food additives, and drug detection. This Special Issue of *Polymers* provides a collection of high-quality full research papers, communications, and critical reviews covering both applied and fundamental aspects of molecularly imprinted polymer-based sensors.

Guest Editor

Dr. Yanming Shao

College of Chemistry and Chemical Engineering, Key Laboratory of Auxiliary Chemistry and Technology for Chemical Industry, Ministry of Education, Shaanxi Key Laboratory of Chemical Additives for Industry, Shaanxi University of Science and Technology, Xi'an 710021, China

Deadline for manuscript submissions

closed (31 March 2024)

Polymers

an Open Access Journal by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed

mdpi.com/si/184978

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

mdpi.com/journal/polymers

MDPI

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)