

Special Issue

The Advanced Application of Polymers in Environmental Monitoring and Biosensing

Message from the Guest Editor

Ingenious polymer structures, otherwise referred to as polymer films, self-assemblies, gels, etc., are endowed with chemical sensing properties, presenting potential solutions to the problems that are difficult to be solved by traditional chemical sensors in specific fields. This Special Issue is dedicated to collecting new ideas and applications on all aspects of sensor science of selective stimulus-responsive polymer materials. These include materials that enable an analyte stimulus response, particularly fluorescent polymer materials that respond to an analyte stimulus for applications in environmental detection, food analysis, biological detection, and imaging, demonstrating their the relevance and superiority to small molecules and other responsive materials. Draft manuscripts may address conceptual advances in chemical sensing that are based on natural or synthetic polymers and applicable to many types of analytes or application papers which report on the use of an existing sensing concept in a new way or for a new analyte. In addition, scientific knowledge that will advance the development and application of commercially available polymer-based sensors are welcome.

Guest Editor

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Deadline for manuscript submissions

closed (29 February 2024)



Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



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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

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