

Special Issue

Polymer-Based Sensors

Message from the Guest Editors

The field of utilizing polymer-based devices in sensing applications is rapidly extending and evolving. Sensors utilizing various polymers and their properties find applications in almost every aspect of life and scientific research, e.g., engineering or chemical and biological sensing. What is more, recent progress has also introduced many new types of “smart” materials, for example, with self-healing properties, which may be used for sensing. A novel approach presented in recent years is to utilize polymers to create multipurpose sensors, which combine more than one simultaneous sensing capability in a single sensor. An important field utilizing polymer technology for optical sensing is also fiber optics, which includes not only many types of plastic optical fibers with their special properties, but also silica-based optical fibers combined with polymer transducers. This Special Issue aims to compile original and cutting-edge research works in the field of characterization, manufacturing, and applications of polymer-based sensors.

Dr. Michał Dudek

Guest Editors

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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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