

## 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 polymer-based materials applied in the fields of sensors.

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### Guest Editors

Dr. Jie Luo

Prof. Dr. Yong Hu

Dr. Zhongzheng Yu

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### Deadline for manuscript submissions

closed (31 May 2022)



## Polymers

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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 4.7.

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.

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### Editor-in-Chief

Prof. Dr. Alexander Böker

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