

# Special Issue

## Advanced Polymer-Based Sensor

### Message from the Guest Editor

Owing to the unique and excellent properties, polymers have become a great candidate for sensing applications in the field of human health, food, environment detection, etc. To be specific, conducting polymers including intrinsically conductive polymers (ICP) and extrinsically conductive polymers (ECP) exhibit remarkable flexibility, compatibility, regulating electrical conductivity, and low cost as well as facile preparation. As a result, conducting polymers are optimal basis materials for electrochemical sensors, gas sensors, and even epidermal sensors. Besides, molecularly imprinted polymer (MIP)-based sensors have become a hot topic as MIP displays similar selectivities and affinities with the natural receptors such as antibodies and enzymes and thus widely applied in potentiometric sensing applications. In addition, the polymer-based and nanocomposites consisting of polymer nanoparticles nanowire, nanosheet, etc., and nanostructures like fabric, textile, and three-dimensional nanostructures are investigated to further improve the properties of polymer-based sensors.

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### Guest Editor

Prof. Dr. Sheng Zhang

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### Deadline for manuscript submissions

closed (5 June 2023)



# 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 4.9.

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.

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### Editor-in-Chief

Prof. Dr. Alexander Böker

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