

## Special Issue

# Conducting Polymer Nanocomposites as Promising Sensing Platform

### Message from the Guest Editors

Conducting polymers (CPs) are very attractive due to their properties and their role in recent technological advantages. They are widely used in electrocatalysis, for corrosion prevention, as suitable matrices for the immobilization of biomolecules and for improving the performance of various biomedical devices. Additionally, CPs combined with electroactive nanoparticles are very popular composites in sensor and biosensor design. This combination leverages the advantages of both materials to enhance the sensitivity, stability, and response time of many analytical techniques. This Special Issue aims to present a multidisciplinary approach to the innovative fabrication and application of CP nanocomposites in sensor development. Special attention will be directed towards the use of various sensing platforms in biomedicine, clinical analysis, food and beverage quality control, construction of biofuel cells, electrochemical and optical biosensors and immunosensors. We invite you to submit to this Special Issue original research papers, communications, and review articles.

### Guest Editors

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### Deadline for manuscript submissions

31 October 2025



## Polymers

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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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