

## Special Issue

# Polymer-Based Biosensors in Food Industry

### Message from the Guest Editor

Recently, biosensors have been rapidly developed as a promising alternative to the conventional techniques for monitoring the safety and nutritional quality of food.

Among various biosensors, polymer-based biosensors, including enzyme-, DNA-, aptamer-, and protein-based biosensors have gained increasing attention due to their high performances and abundant sources. Typically, a variety of polymer-related materials, such as polymer composites, biopolymers, conducting polymers, polymer beads, polymeric nanoparticles, and hybrids, have been employed to design and fabricate biosensors for the food industry. This Special Issue invites original papers and reviews reporting on recent progress in the following areas: -Fabrication methods of polymers-based biosensors for food safety and food quality control; -Biosensors based on novel polymeric materials and their application in the food industry; -Novel polymer-based biosensors with excellent performance in the food industry; -Integration process of polymer-based biosensors into food packing materials and their real-time monitoring of food quality; -Next-generation polymer-based biosensors for the food industry.

### Guest Editor

Dr. Da Huang

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### Deadline for manuscript submissions

closed (5 October 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 4.7.

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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