

Special Issue

Advanced Biosensors for Foodborne Pathogens

Message from the Guest Editors

Food safety is one of the most significant issues of people's livelihood and the national economy. Rapid screening of foodborne pathogens is the key to ensure food safety. Biosensor research has undergone rapid growth in recent years, giving new concepts in biomarker recognition, miniaturization, and multiplex analysis in food safety. In addition, microfluidics and some other micro- and nano-devices provides new strategies to improve the applicability of biosensors for in-field detection. This Special Issue will provide an opportunity for researchers to publish their original achievements related to the biosensors for foodborne pathogens. The Special Issue welcomes both original research and review articles that address the following non-exhaustive list of topics:

- Novel pretreatment and enrichment methods for food samples;
- Novel sensing elements;
- Signal amplification strategies;
- Novel nanomaterials with controllable characteristics;
- Microfluidic or Sample-in-Result-out system.

Guest Editors

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Dr. Lingyan Zheng

Deadline for manuscript submissions

closed (28 July 2023)



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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

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