

## Special Issue

# Advances in Biosensor Applications for Food Safety

### Message from the Guest Editor

Ensuring food safety is a critical challenge necessitating innovative solutions to rapidly and accurately detect contaminants, pathogens, and adulterants. Biosensors have emerged as powerful tools in this domain, offering real-time, sensitive, and specific detection capabilities that are essential for guaranteeing food safety. The goal of this Special Issue is to advance our knowledge and application of biosensors in food safety. We seek contributions that explore novel biosensor technologies, their development, and their practical application in detecting chemical and biological hazards in food. We welcome research on the design, fabrication, and validation of biosensors, as well as their integration into food safety management systems. Studies on their mechanisms of detection, improvements in sensitivity and specificity, and real-world applications are particularly encouraged.

### Guest Editor

Dr. Lingyi Lan

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### Deadline for manuscript submissions

closed (31 July 2025)



## Foods

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## About the Journal

### Message from the Editor-in-Chief

*Foods* (ISSN 2304-8158) is an open access and peer reviewed scientific journal that publishes original articles, critical reviews, case reports, and short communications on food science. Articles are released monthly online, with unlimited free access. Currently, *Foods* has been indexed by the Science Citation Index Expanded (SCIE - Web of Science), PubMed, and Scopus. Our aim is to encourage scientists, researchers, and other food professionals to publish their experimental and theoretical results as much detail as possible. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global food science community.

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### Editor-in-Chief

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