

## Special Issue

# Recent Research on Foodborne Bacteria Detection and Inactivation Technology

### Message from the Guest Editors

Foodborne bacterial pathogens pose a significant threat to global public health, necessitating continuous advancements in detection and inactivation technologies. This Special Issue, "Recent Research on Foodborne Bacteria Detection and Inactivation Technology", aims to compile cutting-edge research addressing challenges such as antimicrobial resistance, the demand for rapid diagnostics, and the preservation of food quality. Contributions will explore innovative detection methods, including biosensors, CRISPR-based assays, and genomic tools, alongside novel inactivation strategies, such as phage therapy, cold plasma, and natural antimicrobials. Interdisciplinary approaches integrating microbiology, nanotechnology, and data science to enhance food safety will also be highlighted. This issue will further examine sustainable, non-thermal processing techniques and rapid on-site diagnostics to transform industry practices. By bridging scientific innovation with practical applications, this collection seeks to advance food safety protocols, support regulatory frameworks, and reduce the burden of foodborne illnesses worldwide.

### Guest Editors

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### Deadline for manuscript submissions

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## 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.

### Editor-in-Chief

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