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Advance and Future Challenges to Microbial Food Safety

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Deadline for manuscript
submissions:

closed (31 December 2022)

Message from the Guest Editors

Consumers' growing demand for products with adequate nutritional, physicochemical and sensory characteristics has challenged both the food industry and the academic sector.

Recent advances in food processing technologies, as well as rapid detection methods, are limiting foodborne disease emergences. The development and application of novel preservatives and functional/active food packaging for the biocontrol of foodborne pathogens are also under study.

However, despite significant efforts by all parties involved, there is still a considerable burden of foodborne illness, in which microorganisms play a prominent role. Therefore, it is necessary to establish a reference publication to show the recent ground-breaking developments, potential applications and future trends that complement those already in use.

Consequently, we invite contributions to this Special Issue dealing with a wide range of fields, such as new developments in microbial monitoring, predictive microbiology, or novel strategies for pathogen control (e.g., technologies, natural preservatives, and hurdle strategies), regarding the main drivers of the future of food safety.



mdpi.com/si/107078

Special Issue



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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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