

Special Issue

Advances in Portable Biosensors and Antimicrobial Strategies for Food Safety

Message from the Guest Editors

Foodborne pathogens pose a tremendous threat to human health and cause substantial economic losses, making it crucial to develop sensitive and rapid detection and disinfection strategies. To date, numerous methods are available for detecting pathogens and antimicrobials with high sensitivity and specificity. For detection assays, conventional bacterial cultivation, molecular biological techniques, and enzyme-linked immunosorbent assay have been popular over the past decades. However, these methods either rely on expensive instruments or require a relatively long detection time, making them cumbersome for on-site analysis of pathogens in the food safety field. Advances in relation to portable biosensors, which focus on avoiding these problems, are currently under study. Additionally, the disinfection of foodborne pathogens employing biological, chemical, and physical strategies has been explored. Moreover, green, environmentally friendly, and sustainable sterilization methods are gaining increasing attention in the field of food safety.

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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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