Special Issue

Rapid Detection of GMOs and Foodborne Pathogens

Message from the Guest Editors

Development of rapid detection and identification methods is important to prevent foodborne disease dissemination and enhance food safety and quality in the food industry. To complement food shortage and increase food production worldwide, genetically modified organisms (GMO) have been developed and cultivated in many countries. Rapid and accurate identification of GMO in foods is needed to prevent unintentional adulteration of GMO as well as provide reliable and safe foods to consumers. In recent years, development and commercialization of next-generation sequencing (NGS) has allowed scientists to have a better insight into the complex microbiota in a certain ecosystem (gut, environment, food, etc.) by DNA amplicon sequencing. In addition, whole genome sequencing (WGS) is providing an accurate identification of organisms along with characterization of genome. In this Special Issue, we aim to publish innovative research achievement for the detection and identification of foodborne pathogens (bacteria, virus, and parasites) and GMO from farm to fork phase using “omics” technologies.

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Deadline for manuscript submissions

closed (10 February 2021)

Foods

an Open Access Journal by MDPI

Impact Factor 5.1
CiteScore 8.7
Indexed in PubMed

mdpi.com/si/51390

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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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.9 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).

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