

Special Issue

Advances in Sequencing Technologies for Food Authentication and Safety

Message from the Guest Editors

Advances in sequencing technologies and bioinformatics are revolutionizing food analysis. One such technique, high-throughput DNA sequencing, combined with robust bioinformatic analysis, has the potential to replace or complement current strategies for verifying food ingredient composition by detecting undeclared components without the need to make any prior assumptions about expected content. In addition to food matrix composition, metagenomic sequencing importantly yields a snapshot of microbial diversity and possible pathogens, making it possible to identify microbiomes and/or functional capacity and biochemical activities. The application and diffusion of such approaches are fundamental to help identify and manage the increase in risks in food supply chain processes due to the global economy. The aim of this Special Issue, therefore, is to gather original research papers and review articles focused on advanced sequencing technologies applied to food matrices in order to design, implement and achieve Active Managerial Control (AMC) of authenticity and food safety, which will be needed to deal with the new global challenges in our food supply chains.

Guest Editors

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Deadline for manuscript submissions

closed (10 January 2023)



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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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