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Advancing Food Safety through PCR and Modern Detection Techniques

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Message from the Guest Editors

Food safety is essential to human health and well-being. The globalisation of food trade, a growing world population, climate change, and the discovery of new methods of adulteration have an impact on food safety. Therefore, increasingly sophisticated methods are required for food analysis. Challenges relate to chemical hazards such as the presence of pesticide residues or mycotoxins, or unauthorised substances for use with food. The analysis of thermally induced substances with potential or proven carcinogenic effects also falls within the scope of testing. Pathogenic or saprophytic microorganisms also pose a threat in food. There is a great need for the precise detection and quantification of these in food samples using methods with high specificity.

In view of today's challenges, the aim of this Special Issue is to bring together original research articles as well as reviews on the use of advanced modern instrumental techniques for the detection and quantification of hazards in food. In addition, papers on the detection and identification of specific microbial strains in a variety of food matrices are eagerly welcomed.



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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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