Special Issue

Techniques for Determining the Authenticity of Food Products

Message from the Guest Editor

Concerns about food safety by consumers, producers and regulators grow annually due to ongoing food scandals, despite regulations. This increases the demand for innovative analytical methods to prevent food fraud, focusing on speed, sustainability and non-destructiveness. Modern techniques often provide multivariate data, with spectroscopic methods coupled with machine learning or deep learning standing out for minimal chemical use and sample manipulation. However, complexities in multivariate qualitative modeling, compounded by a lack of consensus on reporting parameters and estimation methods, pose challenges. Therefore, there is a need for pioneering strategies to standardize these parameters. Applying these methodologies to real-world food fraud scenarios is crucial. Their effectiveness and practical relevance must be unequivocally validated to ensure lasting impacts on food fraud analysis.

Guest Editor

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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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