Special Issue

Applications of Spectroscopy and Imaging Techniques in Food Quality and Safety

Message from the Guest Editors

Spectroscopic and imaging techniques have emerged as innovative tools for determining the quality and safety of food and beverages, providing rapid, accurate, and non-destructive analytical methods. These techniques have enabled the development of methods for analyzing the physical and chemical properties of food and beverages, making it possible to detect adulterations and contaminants and determine nutritional composition in these products. In this context, the integration with chemometric and artificial intelligence methods further expands the analytical potential of spectroscopic and imaging techniques, making it possible to automate inspection processes, increase efficiency, reduce costs, and even make the methods portable. In this way, these tools can play a critical role in traceability, quality assurance, and safety along the food production and distribution chain, protecting consumers and contributing to the development of safer and more sustainable practices in the food sector. We invite readers to explore the contributions related to the future of spectroscopy and imaging applications in food quality and safety.

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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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