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Advances of Spectrometric Techniques in Food Analysis and Authentication

Guest Editor:

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Deadline for manuscript submissions:

closed (31 October 2022)

Message from the Guest Editor

The food industry and consumers demand for tools that can assure the quality (e.g., composition) and origin of foods (e.g., authenticity, fraud, provenance) in both the supply and value chains, have increased during the past decades. Although there have been advances and improvements in instrumentation, and techniques that have excellent analytical capabilities, some of these methods are considered time consuming and expensive. These issues have encouraged developments in the utilization of a wide range of spectrometric techniques, such as vibrational spectroscopy and data analytics.

This Special Issue seeks articles (e.g., short reviews, reviews, case studies) demonstrating recent progress in spectrometry techniques, including NIR, MIR, hyperspectral, Raman, UV-VIS, machine learning in food analytics and authentication applications (e.g., fraud, provenance, traceability). Articles focusing on novel device technologies, miniaturization, machine learning or the application of these technologies for the characterization of food products are also 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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