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Advanced Chromatographic, Spectroscopic, and Spectrometric Techniques in Food Analysis

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Message from the Guest Editors

Food and agricultural products comprise complex sample systems made by diverse chemical structures mixtures wherein macronutrients, together with water and numerous minor components can coexist. The functional properties of these substances, which are ruled by their molecular structure and interactions within the food system, and the amounts present define the characteristics and quality of food products. Due to the continuous improvement in analytical technologies, food analysis has significantly evolved, passing from “wet chemistry” laboratory methods to the application of advanced and high-throughput analytical methodologies. Pioneering developments in chromatographic, spectrophotometric, and spectrometric techniques have led to significant improvements in identification capability, analytical accuracy, precision, detection limits, and sample throughput, thereby expanding the practical range of food applications. This Special Issue focuses on the optimization and validation of advanced and innovative chromatographic, spectrophotometric, and spectrometric methodologies in food analysis, in particular for quality and authenticity purposes.



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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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