Special Issue

Advances in Food Analysis: The Role of Chemometrics and Smart Analytical Systems

Message from the Guest Editors

Food products' quality and safety continue to be the main concerns of manufacturers and suppliers involved in the food chain and authorities responsible for food control activities. Currently, scientific research is focused on the development of analytical tools able to perform a complete characterization of foodstuff and provide quality identifiers. Special attention is paid to smart screening systems, which allow us to conduct time-saving investigations and effective on-site controls to prevent frauds. Chemometric techniques are considered necessary for the development of qualitative and quantitative prediction tools. Multivariate statistical techniques allow us to process large amounts of data, extract the relevant chemical information, and validate robust classification or regression models monitoring nutritional, functional, and sensorial features of raw materials to final products. In a context where rapid and accurate analytical strategies are increasingly required, this Special Issue aims to collect original articles and reviews on the latest advances in the authentication, traceability, and security of food products through chemometrics and smart screening systems.

Guest Editors

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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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