Special Issue

Analytical and Chemometrics Techniques in Food Quality and Safety

Message from the Guest Editors

Analytical and chemometric tools in food science are linked to the application of advanced analytical techniques, including gas chromatography–mass spectrometry (GC MS), liquid chromatography with mass spectrometry (MS), diode array detection (DAD), capillary electrophoresis–mass spectrometry (CE MS), inductively coupled plasma (ICP), nuclear magnetic resonance spectroscopy (NMR), infrared spectroscopy (IR), Raman spectroscopy, and hyperspectral and digital imaging. These analytical techniques enable researchers to study the conditions of nutritional exposure conditions and understand food composition (macro, micronutrients, bioactive molecules, or contaminants) and the influence of this on the composition, quality and safety of food. Given the wide range of variables generated by these analytical techniques, the application of multivariate methods in food analytical chemistry studies is essential for various purposes. In this Special Issue, we aim to provide thorough reviews of the latest advancements in the field of food analytical chemistry combined with chemometrics.

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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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