Special Issue

Chromatographic Techniques for Food Components Analysis

Message from the Guest Editors

Food integrity, quality, identity, and authenticity can now be assessed using high-resolution analytical techniques that generate complex chemical footprints and fingerprints, reflecting the compositional characteristics of each food matrix. Achieving optimal chromatographic resolution for comprehensive food profiling relies on advances in both fundamental and applied phase separation sciences. In particular, we welcome scientific advances aimed at improving and promoting innovative couplings within hyphenated chromatographic techniques in food analysis, as well as studies incorporating deep-learning tools for high-resolution chromatographic data acquisition and processing. Contributions addressing unsupervised (clustering-based) and supervised (regression- and classifier-based) multivariate statistical downstream analyses for the identification and quantification of key food components, metabolic pathway prediction, and/or metabolite structure prediction in food matrices are especially encouraged.

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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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