

Special Issue

Spectroscopy and Chemometrics Applied in Food Authentication and Quality Evaluation

Message from the Guest Editors

Nowadays, the importance of analytical tools that can objectively guarantee the quality and authenticity of food products cannot be underestimated. In this context, the use of chemometrics and spectroscopy plays a fundamental role. While spectroscopic techniques allow for obtaining signals rich in information on the chemical composition of a food product, and therefore related to its quality, they also provide a real digital fingerprint, which can be used to univocally identify a sample. However, the use of chemometrics in processing spectroscopic data cannot be overlooked.

This Special Issue aims to collect papers focused on developing novel analytical methodologies able to guarantee the quality and authenticity of food. In this context, the synergistic use of the spectroscopic characterization of food and chemometrics analysis could provide significant support for the development of these methodologies, given the multivariate nature of spectroscopic fingerprints. Research areas may include spectroscopy, chemometrics, experimental design, hyphenated methods, food quality, fraud detection, authentication/characterization, and deep learning.

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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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