

Special Issue

Application of Non-invasive Spectral and Multi-spectral Sensors in Food Analysis

Message from the Guest Editors

Food products must be safe and authentic when delivered to consumers a goal that requires the development of reliable and robust methods for the measurement of food quality, safety, and authenticity. In general, it is time-consuming, destructive, and challenging to investigate the stability of food components using traditional analytical techniques. Therefore, various types of sensors that can identify food components and determine the changes that took place during processing and storage have been developed. Among the proposed promising solutions, spectroscopy-based analytical sensors have shown good potential, enabling noninvasive, quick, and easy measurements in a variety of spectral wavelength regions. Moreover, the combination of different spectral ranges can enhance the accuracy and robustness of sensors, leading to better precision in process monitoring and quality control.

The aim of this Special Issue is to gather together the latest research, trends, and developments in spectroscopy and multi-spectroscopy sensors combined with chemometrics, to authenticate food, monitor food processing, and predict quality changes during storage as well as final product quality.

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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