

Special Issue

Vibrational Spectroscopic Sensing Technologies and Applications for the Evaluation of Food Quality and Authenticity

Message from the Guest Editors

Food may be inadvertently or intentionally contaminated with chemicals or other physical substances that are considered unacceptable by law or for other reasons.

Despite the potential of vibrational spectroscopic techniques for assessing food quality and authenticity, modern food inspection methods still require the further development of measurement equipment and dynamic chemometric analytical techniques.

This Special Issue will focus on the application of vibrational spectroscopic techniques, including near-infrared, mid-infrared, Raman spectroscopy, and hyperspectral imaging, to the evaluation of food quality and authenticity analysis.

The characteristics and applications of these techniques, along with an analysis of their major limitations, will be discussed, with an emphasis on the treatment of spectral data using chemometrics. Researchers in the field of food will be able to present their latest findings in this Special Issue.

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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