Special Issue

Detecting the Quality and Geographic Origin of Agri-Food Products by Using Spectroscopic Methods

Message from the Guest Editor

With the continuous development of spectroscopic technology, the issue of hard-to-discern information of quality level and geographical origin traceability in agri-food products is being resolved by the emerging stage of fast, convenient and scenario-based detection. These spectroscopic means include ultraviolet, infrared, Raman, hyperspectral, and microscopic spectral imaging and machine vision methods. Importantly, computational tools and chemometrics such as artificial intelligence, pattern recognition, and machine learning are powerfully aiding these spectroscopic methods to better acquire information of adulterant ingredients, grading, and geographical origin identification of agri-foods. Therefore, this Special Issue will focus on, but will not be limited to, original research and reviews on the explorations of atomic spectroscopy, molecular spectroscopy, nuclear magnetic resonance (NMR), and isotope tracing techniques for the detection of agri-food quality, safety, and geographical origins. We believe this special issue will widely spread knowledge and use of spectroscopy in agri-food analysis, enhancing food processing and safeguarding consumer economic interests.

Guest Editor

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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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