Special Issue

Recent Advances in Emerging Techniques for Non-destructive Detection of Food Quality and Safety

Message from the Guest Editor

Currently, the issue of food safety and quality is a great public concern. The non-destructive detection technique (NDDT) has emerged as a powerful analytical tool in the food industries. In order to satisfy the demands of consumers and obtain superior food qualities, NDDT methods are required for quality evaluation. NDDT methods (such as near- and mid-infrared spectroscopy (NIRS), Raman spectroscopy, fluorescence spectroscopy (FS), hyperspectral imaging (HSI), terahertz spectroscopy, X-ray imaging methods and thermal imaging) have provided interesting and promising results in detecting a variety of foods. NDDT allows the simultaneous measurement of chemical data from food without destruction of the substance. Additionally, NDDT can obtain both quantitative and qualitative data at the same time without separate analyses. This Special Issue aims to collect recent and novel applications of NDDT methods in relation to food quality and safety.

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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