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Innovative Application of SERS in Food Science

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Message from the Guest Editors

Food quality and safety are both prominent topics in food science research. In this context, it is essential that reliable systems for the detection, elimination, and control of risks posed by hazardous substances are developed. Surface-enhanced Raman scattering (SERS), a powerful molecular spectroscopy technique, is based on the enhancement of the inelastic scattering from molecules located near nanostructured metallic surfaces, which is different from the gold standard method, chromatography, mass spectroscopy, or other spectroscopy methods. SERS provides analytical compositional information, is able to provide characteristic vibrational fingerprints of molecules, and is especially useful in the ‘Recognition’ and ‘Behavior analysis’ of both food ingredients and pollutants. This Special Issue aims to disseminate recent advances in innovative applications of SERS for food and agricultural product quality, nutrition and safety determination, the innovative applications of food science are also welcomed.



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Special Issue



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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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