Special Issue

Nanomaterial-Based Emerging Technologies for Detecting Food Contaminants

Message from the Guest Editors

Trace contaminants in food, such as pesticide and veterinary drug residues, illegal additives and heavy metals, cause human foodborne diseases and seriously threaten people's health. Accurate, sensitive and effective analysis strategies are necessary to ensure the safety of food. In recent years, metal-based (gold nanoparticles, gold nanorods, silver nanoparticles, etc.) and carbon-based (carbon nanotubes, carbon quantum dots, etc.) nanomaterials have been applied in various analysis strategies in order to improve food safety. Remarkable progress has been made in the purification of complex food matrices, new signal analysis and the performance of existing methods. These emerging technologies based on nanomaterials have fully played to the advantages of nanomaterials, and improve the accuracy, sensitivity, time consumption and convenience of food safety detection to varying degrees. This Special Issue aims to publish the research results regarding emerging technologies in food safety detection based on various types of nanomaterials, so as to promote the further development of related techniques in food safety analysis.

Guest Editors

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Deadline for manuscript submissions

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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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