Special Issue

Chemical Food Safety: Formation, Health Risk Toxicology and Analytical Techniques

Message from the Guest Editors

The chemical safety of food is a key factor in ensuring the quality and safety of the food we eat. The incorporation and the formation of chemical contaminants in food, their potential health risks, toxicological considerations, analytical and chemometric techniques are constantly evolving issues. Understanding the pathways and factors that contribute to the appearance of these contaminants is essential for effective risk management. This information helps to establish regulatory guidelines, set maximum residue limits, and implement effective food safety measures. Analytical techniques are tools for understanding chemical contaminants in food. Today, analytical techniques are being developed with chemometric approaches and artificial intelligence modelling to assist in the prediction of compliance testing, monitoring programmes and quality control measures, ensuring the safety and integrity of the food supply chain. In this Special Issue, the goal is to advance the understanding of contaminant formation, health risk assessment, toxicological considerations, and the application of new analytical techniques for detection and control.

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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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