

Special Issue

Food Toxins and Toxicological Mechanisms: Molecular Perspectives on Food Safety and Health

Message from the Guest Editors

The growing presence of toxins in food is of great concern to consumers. These toxins vary widely, as do their toxic effects on organisms. This Special Issue aims to enhance our understanding of toxin action at the cellular and genetic levels, illuminating the molecular pathways through which foodborne toxins induce different pathologies. We invite submissions that delve into the following topics: **Cellular and genetic responses:** Studies on biological responses to toxin exposure, including signaling pathways, gene expression changes, and metabolic disruptions. Studies employing advanced methodologies, such as genomics, proteomics, metabolomics, are encouraged. **Novel analytical techniques:** Pioneering methods for the sensitive and specific detection of toxins in different food matrices. **Processing impacts:** Research focused on the influence of food processing on the formation, degradation, and mitigation of toxins. This Special Issue welcomes original scientific articles and quality review articles related to the identification and characterization of hazards arising from exposure to toxins in food, aiming to improve risk assessments for human health.

Guest Editors

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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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