

Special Issue

Food Safety and Fungal Toxins: Challenges and Advances in Control and Risk Assessment

Message from the Guest Editor

Fungal secondary metabolites, particularly mycotoxins, represent a persistent and complex hazard in food systems, with implications for human and animal health, international trade, and regulatory frameworks. Despite significant progress in food safety management, the resilience of toxigenic fungi and the stability of their metabolites under various environmental and processing conditions continue to challenge detection, control, and risk mitigation efforts. This Special Issue invites high-quality original research articles, reviews, and short communications that address recent advances in the detection, quantification, and monitoring of fungal toxins across diverse food matrices. Contributions focusing on novel analytical methodologies (e.g., biosensors and omics-based tools), predictive modeling, fungal ecology, toxin biosynthetic pathways, and control strategies—including biocontrol, processing interventions, and innovative preservation techniques—are highly encouraged. Researchers working at the intersection of mycology, food science, toxicology, and risk analysis are encouraged to contribute to this issue.

Guest Editor

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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.

Editor-in-Chief

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