

Special Issue

Food Contamination: Analysis, Control, Exposure & Risk Assessment

Message from the Guest Editor

Food contaminant risk assessment is undergoing a critical paradigm shift: Traditional evaluation systems centered on acute toxicity and maximum residue limits increasingly reveal limitations in addressing scientific bottlenecks—including low-dose chronic exposure risks, combined toxicity of chemical mixtures, and dynamic bioavailability transformations during multimedia migration. To overcome these challenges, this Special Issue focuses on those thematic domains:

Theme 1: High-Resolution Detection of Food Contaminants and Discovery of Novel Biomarkers
Theme 2: Trans-Scale Risk Assessment System for Low-Dose Multiple Exposures
Theme 3: AI-Driven Intelligent Monitoring of Contaminants Across the Full Supply Chain
Theme 4: Active Contaminant Interception Strategies Mediated by Intelligent Materials

Guest Editor

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

Toxics (ISSN 2305-6304) is an international, peer-reviewed, open access journal which provides an advanced forum for studies related to all aspects of toxic chemicals and materials. We aim to publish high quality work that furthers our understanding of the exposure, effects, and risks of chemicals and materials in humans and the natural environment as well as approaches to assess and/or manage the toxicological and ecotoxicological risks of chemicals and materials. Please consider publishing in *Toxics* when preparing your next paper.

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Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the second half of 2025).