Special Issue

Mass Spectrometry Analysis of Food Contaminants and Health Risk Assessment

Message from the Guest Editors

Exposure assessment is an essential component in regulatory science and human health risk assessment, including a top-down approach (i.e., dietary exposure assessment) and a bottom-up approach (i.e., human biomonitoring). Both approaches are analytically demanding, relying on accurate and reliable measurements in food/environmental matrices or biofluids. Mass spectrometry (MS) analysis has versatile applications to trace chemicals in different matrices. These applications are of utmost importance to the exposure and health risk assessment of foodborne chemicals. This Special Issue intends to showcase how MS analysis can refine the exposure estimates and resulting risks of foodborne chemicals. Foodborne chemicals include, but are not limited to, naturally occurring food toxicants(e.g., mycotoxins), food additives (e.g., preservatives or artificial sweeteners), chemicals formed during the cooking process (e.g., acrylamide, heterocyclic amines, and PAH), and food contaminants (e.g., heavy metals, PCBs, pesticides, and PFAS).

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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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