Special Issue

Mycotoxins and Their Chromatographic-Based Detection Technology

Message from the Guest Editors

Mycotoxins have a negative impact on human and animal health. Analytical techniques play a major role in the analysis of mycotoxins and their metabolites. However, the development of new analytical methods is often challenging, certainly when a multianalyte determination is required. Today, technical platforms based on chromatographic techniques (mainly liquid chromatography (LC) and gas chromatography (GC)) combined with spectrometric detection are widely used. The use of high-resolution mass spectrometry (HRMS) allowed the identification of novel mycotoxins and metabolites and boosted the advances in metabolomics studies.

This Special Issue is dedicated to the development, validation, and application of novel methods based on chromatographic separation in combination with spectrometric detection techniques for the identification and quantification of mycotoxins in different matrices (crops, food, feed, biological matrices). Besides, novel sampling techniques (e.g., microsampling, such as dried blood spots (DBS), volumetric absorptive microsampling (VAMS), etc.), as well as innovative and high-throughput sample preparation and purification methods are welcome.

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Toxinology is an incredibly diverse area of study, ranging from field surveys of environmental toxins to the study of toxin action at the molecular level. The editorial board and staff of *Toxins* are dedicated to providing a timely, peer-reviewed outlet for exciting, innovative primary research articles and concise, informative reviews from investigators in the myriad of disciplines contributing to our knowledge on toxins. We are committed to meeting the needs of the toxin research community by offering useful and timely reviews of all manuscripts submitted. Please consider *Toxins* when submitting your work for publication.

Editor-in-Chief

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