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Advanced Analytical Methodologies for the Determination of Mycotoxins in Food and Environmental Objects

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Message from the Guest Editors

Mycotoxins are secondary metabolites produced by several microscopic filamentous fungi, mainly *Alternaria*, *Aspergillus*, *Claviceps*, *Fusarium*, and *Penicillium* spp. Mycotoxin contamination even at low concentrations is an area of concern for producers, public health agencies, researchers, and consumers. Managing risks of food contaminants requires the application of accurate and sensitive analytical methodologies.

Chromatographic techniques coupled with tandem and high-resolution mass spectrometry have been demonstrated as an especially powerful tool for the analysis of mycotoxins. In addition, recent progress of the development of rapid immunoaffinity-based detection techniques such as immunoassays and biosensors, as well as emerging technologies like quantitative NMR and hyperspectral imaging for the detection of mycotoxins in foods, should not be overlooked.

Additional areas of interest for this Special Issue are the research studies dedicated to a new application of the wastewater analysis for assessing human exposure to mycotoxins by measuring specific biomarkers in raw wastewater.

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Message from the Editor-in-Chief

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