



Advances towards Novel Rapid and Eco-Friendly Methods for the Analysis of Mycotoxins in Food

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Deadline for manuscript submissions:

closed (30 June 2022)

Message from the Guest Editors

Mycotoxins, a diverse group of fungal toxins, pose a serious threat to human and animal health and cause major economic impacts worldwide. These secondary metabolites can occur throughout the food chain, including production, processing, transport and storage. Increased temperatures and humidity due to climate change may exacerbate the problem. As a result of toxicological studies in recent years, more and more national and international regulations are being issued to set maximum levels for certain mycotoxins.

For wide acceptance and implementation of these regulations, reliable, economical and practical detection methods are essential. Although several analytical methods for mycotoxins are already known, future challenges can be identified. One of these challenges are rapid methods, preferably at the site of contamination, to reduce further processing efforts. Another trend are ecologically friendly methods, e.g. by miniaturization or by avoiding harmful substances. To contribute to these processes, this special issue will focus on advances in novel rapid and environmentally friendly methods for the analysis of mycotoxins in food.





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