



toxins



an Open Access Journal by MDPI

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

Guest Editors:

Dr. Matthias Koch

Division of Organic Trace Analysis and Food Analysis, Department of Analytical Chemistry and Reference Materials, Bundesanstalt für Materialforschung und -prüfung (BAM), Berlin, Germany

Dr. Ruben Epping

Division of Organic Trace Analysis and Food Analysis, Department of Analytical Chemistry and Reference Materials, Bundesanstalt für Materialforschung und -prüfung (BAM), Berlin, Germany

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.



mdpi.com/si/93629

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Jay Fox

Department of Microbiology,
University of Virginia,
Charlottesville, VA, USA

Message from the Editor-in-Chief

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.

Author Benefits

Open Access: free for readers, with **article processing charges (APC)** paid by authors or their institutions.

High Visibility: indexed within **Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, CAPlus / SciFinder, AGRIS, and other databases.**

Journal Rank: JCR - Q1 (Toxicology) / CiteScore - Q1 (Toxicology)

Contact Us

Toxins Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/toxins
toxins@mdpi.com
[X@Toxins_Mdpi](#)