



Production and Metabolic Transformation Mechanism of Foodborne Mycotoxins

Guest Editors:

Dr. Yanshen Li

College of Life Science, Yantai University, Yantai 264005, China

Dr. Shupeng Yang

Institute of Food Science and Technology, Chinese Academy of Agricultural Sciences, Beijing 100193, China

Deadline for manuscript submissions:

closed (30 November 2023)

Message from the Guest Editors

Mycotoxins are classed as the top food and feed contaminants all over the world. Scientists have achieved significant progress in the mycotoxin research field by introducing new methods for the detection of mycotoxins and major metabolites, metabolic transformation mechanisms, and proposing several feasible mitigation strategies. All these efforts have enhanced the safety of food and feed and allowed us to gain a better understanding of the toxic health effects and how to control these hazardous contaminants. However, there is still a knowledge gap in foodborne mycotoxin production by fungi, the metabolic transformation mechanism of mycotoxins in animals in vivo, and food processing, especially for emerging members and unknown metabolites of mycotoxins.

In this Special Issue, we welcome all submissions related to (1) Production of foodborne mycotoxins; (2) Metabolic transformation mechanism of foodborne mycotoxins, especially if the work implements omics approach to understanding the mechanism; (3) Survey studies for risk assessment of mycotoxins and metabolites in food and feed; (4) All types of laboratory and/or field studies for control of mycotoxins production.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Markus R. Meyer

Department of Experimental and Clinical Toxicology, Institute of Experimental and Clinical Pharmacology and Toxicology, Center for Molecular Signaling (PZMS), Saarland University, 66421 Homburg, Germany

Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

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, PMC, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Biochemistry & Molecular Biology*) / CiteScore - Q2 (*Endocrinology, Diabetes and Metabolism*)

Contact Us

Metabolites Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/metabolites
metabolites@mdpi.com
[X@MetabolitesMDPI](https://twitter.com/MetabolitesMDPI)