

Special Issue

Free and Masked Mycotoxins in Cereals: Occurrence, Detection, and Risk Assessment

Message from the Guest Editors

Mycotoxins, well-known toxic secondary metabolites produced by different fungi species, may contaminate cereals and cereal-based food, and thus represent a serious issue in terms of food safety and, as a consequence, consumer health. In the last few years, several forms of so-called “masked” or “modified” mycotoxins have been identified and their co-occurrence with the native forms has been demonstrated. It is known that modified mycotoxins can be cleaved into the gut to release their native forms, and may therefore contribute to the overall toxic load. This Special Issue aims to present a collection of original research and review articles focused on the determination of the occurrence of free and masked mycotoxins in cereals and cereal-based food, and on the evaluation of risk assessment methods. Studies that describe innovative analytical methods, present new data regarding the occurrence of these contaminants in foods, or focus on the evaluation of the risk of human exposure are welcome.

Guest Editors

Prof. Dr. Martina Cirlini

Department of Food and Drug, University of Parma, Parco Area delle Scienze 27/A, 43124 Parma, Italy

Prof. Dr. Chiara Dall'Asta

Department of Food and Drug, University of Parma, Parco Area delle Scienze 27/A, 43124 Parma, Italy

Deadline for manuscript submissions

closed (31 October 2021)



Toxins

an Open Access Journal
by MDPI

Impact Factor 4.0
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/68789

Toxins
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
toxins@mdpi.com

[mdpi.com/journal/
toxins](https://mdpi.com/journal/toxins)





Toxins

an Open Access Journal
by MDPI

Impact Factor 4.0
CiteScore 8.2
Indexed in PubMed



[mdpi.com/journal/
toxins](https://mdpi.com/journal/toxins)



About the Journal

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.

Editor-in-Chief

Prof. Dr. Jay Fox

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

Author Benefits

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)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.4 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the first half of 2025).