

Special Issue

Application of Novel Methods for Mycotoxins Analysis

Message from the Guest Editors

Crop contamination by mycotoxins is a global problem that poses significant economic burdens due to food/feed losses caused by reduced production rates; adverse effects on human and animal health and productivity; and trade losses associated with costs incurred by inspection, sampling, and analysis before and after shipments. Besides regulated mycotoxins, which are of major toxicological relevance, hundreds of mycotoxins and metabolites are listed as possibly (co)occurring contaminants in food/feed commodities. Having available reliable, cost-effective, and eco-friendly analytical strategies for the characterization of the chemical structure, incidence, and toxicological effects of mycotoxins and relevant metabolites is essential to support food business operators as well as risk assessors in undertaking mycotoxin-related food safety issues. The varied nature and complexity of the food/feed matrix, different contamination levels, time and costs constraints, and matching available technologies with operator skills are some of the challenging aspects to deal with in method development.

Guest Editors

Dr. Biancamaria Ciasca

Institute of Sciences of Food Production, National Research Council of Italy, Via Amendola, 122/O, 70126 Bari, Italy

Dr. Veronica Maria Teresa Lattanzio

Institute of Sciences of Food Productions, National Research Council of Italy, Via Amendola 200/O, 70126 Bari, Italy

Deadline for manuscript submissions

closed (31 October 2021)



Toxins

an Open Access Journal
by MDPI

Impact Factor 3.9
CiteScore 7.5
Indexed in PubMed



mdpi.com/si/55956

Toxins

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 3.9
CiteScore 7.5
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 18.9 days after submission; acceptance to publication is undertaken in 3.8 days (median values for papers published in this journal in the first half of 2024).