

## Special Issue

# The Metabolism and Cytotoxicity of Mycotoxins: A Threat or a Treat?

### Message from the Guest Editors

The worldwide contamination of foods and feeds with mycotoxins is a significant problem. Mycotoxins are secondary metabolites of molds that have adverse effects on humans, animals, and crops that result in illnesses and economic losses. In recent years, mycotoxin poisoning has occurred frequently and caused great losses, which makes it particularly important to conduct further research. Many researchers have explored metabolic research on mycotoxins focusing on four classes of toxins: aflatoxins, trichothecenes, zearalenone, and fumonisin. Cytotoxicity is one of the most important adverse properties of mycotoxins, which may result in cell damage and/or cell death. Therefore, a better understanding of the cytotoxicity and metabolism of mycotoxins is necessary to avoid problems caused by mycotoxins, and to minimize their negative effects on agriculture and health. To date, mycotoxins have inspired the development a number of approved pharmaceuticals. Given this context, we welcome experts and scholars from around the world to share their research outcomes regarding bioactivities exhibited by mycotoxins.

### Guest Editors

Prof. Dr. Weaam Ebrahim

Department of Pharmacognosy, Faculty of Pharmacy, Mansoura University, El Gomhoria Street 60, Mansoura P.O. Box 35516, Egypt

Prof. Dr. Sherif Ebada

1. Department of Microbial Drugs, Helmholtz Center for Infection Research, 38124 Braunschweig, Germany  
2. Department of Pharmacognosy, Faculty of Pharmacy, Ain Shams University, Cairo 11566, Egypt

### Deadline for manuscript submissions

closed (31 December 2023)



## Toxins

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.9  
CiteScore 7.5  
Indexed in PubMed



[mdpi.com/si/146094](https://mdpi.com/si/146094)

*Toxins*  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[toxins@mdpi.com](mailto: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).