

Special Issue

Biosynthesis and Detoxification of Mycotoxins

Message from the Guest Editor

Mycotoxins, as secondary fungal metabolites, present significant global health concerns and impose substantial socioeconomic burdens. Addressing these challenges requires innovative strategies to inhibit mycotoxin biosynthesis and facilitate their detoxification in food, feed, and biological systems. The Special Issue “Biosynthesis and Detoxification of Mycotoxins”, aims to compile cutting-edge research contributing to the development of effective interventions in this critical area. Manuscripts on the following topics are particularly welcome:

- Elucidation of molecular mechanisms regulating mycotoxin biosynthesis, and development of novel strategies or inhibitory agents to suppress their production;
- Advanced approaches for mycotoxin detoxification, including mechanistic studies and practical applications in commodities and supply chains;
- Innovative interventions to mitigate mycotoxin-induced toxicity in animals and humans, encompassing biochemical, physiological, and translational studies.

Guest Editor

Dr. Jie Wang
College of Food Science, South China Agricultural University,
Guangzhou 510642, China

Deadline for manuscript submissions

30 June 2026



Toxins

an Open Access Journal
by MDPI

Impact Factor 4.0
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/254532

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 19.5 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).