Special Issue

Toxicity, Mitigation and Chemical Analysis of Aflatoxins and Other Toxic Metabolites Produced by *Aspergillus*

Message from the Guest Editors

Aflatoxin-producing fungi from Aspergillus species infect and contaminate food and feed crops. Although aflatoxins are highly regulated, contamination of the food supply is still a global concern. In addition to aflatoxins, Aspergillus fungi produce many other secondary metabolites, which are currently unregulated. Several of these metabolites are known to be toxic, yet the toxicity and function of the majority of Aspergillus-produced metabolites are largely unknown. This Special Issue of Toxins aims to highlight regulated and unregulated toxins and other metabolites produced by Aspergillus spp., alongside methods to mitigate these metabolites in the food supply.

Guest Editors

Dr. Matthew Lebar

Food and Feed Safety Research Unit, Southern Regional Research Center, United States Department of Agriculture—Agricultural Research Service, New Orleans, LA 70179, USA

Dr. Kanniah Rajasekaran

Southern Regional Research Center, Agricultural Research Service, United States Department of Agriculture (USDA/ARS), New Orleans, LA 70124, USA

Deadline for manuscript submissions

15 August 2025

Toxins

an Open Access Journal by MDPI

Impact Factor 4.0
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/205553

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

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

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).

MDPI