

Special Issue

Mycotoxins and Animal Health: Mechanisms, Impacts, and Mitigation Strategies

Message from the Guest Editor

This Special Issue of *Toxins* will focus on the current state of knowledge and recent advances in understanding the mechanisms of mycotoxin toxicity, assessing their health and production impacts in livestock and aquaculture, and evaluating practical mitigation strategies. We welcome original research articles, reviews, and methodological papers that

- Elucidate biochemical, cellular, and physiological pathways affected by mycotoxins in animals.
- Assess the effects of mycotoxin exposure on animal health, productivity, and product safety.
- Evaluate the efficacy, safety, and cost-effectiveness of novel detoxification and mitigation methods.
- Investigate interactions between mycotoxins, pathogens, and other environmental stressors in animal production systems.

Submissions that demonstrate clear practical relevance – such as improvements in animal performance, health status, or production economics – are particularly encouraged. Studies addressing multiple mycotoxins, emerging contaminants, or the combined impact of toxins and management factors are also within the scope of this Special Issue.

Guest Editor

Dr. Łukasz Żielonka

Department of Veterinary Prevention and Feed Hygiene, Faculty of Veterinary Medicine, University of Warmia and Mazury, Oczapowskiego 13,10-718 Olsztyn, Poland

Deadline for manuscript submissions

closed (31 May 2026)



Toxins

an Open Access Journal
by MDPI

Impact Factor 4.0
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/252472

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).