

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

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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

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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).