

Special Issue

Risk Assessment of Mycotoxins: Challenges and Emerging Threats

Message from the Guest Editors

Mycotoxins are among the most significant food contaminants, posing a serious threat to public health. For many of these toxins, toxicological data are lacking, particularly concerning chronic exposure to low doses through contaminated food over a significant part of the human lifespan. In addition, humans are typically exposed daily to complex mixtures of mycotoxins, and their combined toxicological effects are still poorly understood and need to be studied more systematically. This Special Issue aims at addressing these knowledge gaps by presenting new data on the toxicity and underlying molecular mechanisms of action of emerging mycotoxins and their mixtures, contributing to a more relevant human health risk assessment. We welcome original research articles and reviews in areas including, but not limited to, the following:

- Toxicity evaluation of emerging mycotoxins and their mixtures, both in vitro and in vivo;
- Mechanistic studies of emerging mycotoxins on biological systems;
- Novel analytical methods for mycotoxin detection;
- Occurrence and levels of mycotoxins in agricultural products and food;
- Dietary exposure to mycotoxins and health risk assessment.

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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

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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).