

Special Issue

Contamination, Biomonitoring and Cell Metabolism of Mycotoxins

Message from the Guest Editors

Climate change and the globalisation of food supply chains are contributing to the increasing prevalence and complexity of mycotoxin contamination. A comprehensive understanding of contamination patterns, biomonitoring approaches, and cellular metabolic responses is urgently required. We invite authors to submit original research articles, reviews, and short communications. A major focus is biomonitoring, including the development and application of innovative analytical methodologies to assess mycotoxin exposure in both humans and animals. From a One Health perspective, special emphasis will be placed on studies employing sentinel animals, including domestic and wild species, as early indicators of environmental and dietary exposure and as valuable models for understanding potential risks to human health. Furthermore, this Special Issue seeks to highlight novel insights into the effects of mycotoxins on cellular metabolism and molecular pathways. Research investigating oxidative stress, inflammation, mitochondrial dysfunction, endocrine disruption, and alterations in gut microbiota-host interactions are encouraged to elucidate the mechanisms underlying mycotoxin toxicity.



Toxins

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Toxins

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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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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).

