

## Special Issue

# Mycotoxin Detection, Assessment, and Detoxification

### Message from the Guest Editor

Mycotoxins are the most common natural toxins in plant-based foods. They are produced by fungi, which occur frequently in cereals, nuts, fruits, vegetables, legumes, herbs and spices. Exposure to mycotoxins can lead to adverse health effects due to their toxic effects such as carcinogenicity, genotoxicity, cytotoxicity, immune modulation, and oestrogenic effects. Therefore, novel strategies for detection, risk evaluation, and mitigation are crucial for minimizing exposure and improving safety.

Submissions that explore novel analytical techniques for mycotoxin detection, including liquid and gas chromatography coupled with mass spectrometry, immunoassays, biosensors, and nanotechnology-based methods, are welcomed. Contributions related to human and animal exposure assessment, dietary intake modeling, and risk assessments are highly encouraged. There is a need for studies focused on detoxification and mitigation strategies with physical, chemical, and biological approaches that reduce mycotoxin levels in food and feed.

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### Guest Editor

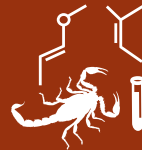
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### Deadline for manuscript submissions

31 May 2026



## Toxins

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Impact Factor 4.0  
CiteScore 8.2  
Indexed in PubMed



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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.

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### Editor-in-Chief

Prof. Dr. Jay Fox

Department of Microbiology, University of Virginia, Charlottesville, VA,  
USA

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