# Special Issue

# Advances in Mycotoxin Determination: From Risk Assessment to Global Management Strategies

## Message from the Guest Editor

This Special Issue explores cutting-edge advancements in mycotoxin determination, focusing on novel identification and quantification techniques, risk assessment models, and comprehensive management strategies. This Special Issue invites the submission of novel studies and review articles focused on developments in analytical methods for mycotoxin determination. These methods include the use of liquid chromatography (LC) and gas chromatography (GC) coupled to mass spectrometry (MS), enzyme-linked immunosorbent assay (ELISA), biosensors, and nanotechnology, among other analytical techniques. These methods should also demonstrate enhancements in detection sensitivity and accuracy to generate high-quality information on food contamination levels and exposure data for risk assessment. This Special Issue also aims to address global management strategies, highlighting the importance of regulatory frameworks like Codex Alimentarius and specific guidelines from the European Union (EU) and United States Food and Drug Administration (FDA). Advances in rapid testing, surveillance programs, and traceability systems further strengthen detection and monitoring efforts.

## Guest Editor

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## Deadline for manuscript submissions

30 November 2025

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

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