Special Issue

Individual and Combined Effects of Emerging Mycotoxins: From Cells to Organs

Message from the Guest Editors

Emerging mycotoxins are lesser-known fungal toxins that are neither routinely monitored nor regulated, despite being frequently detected in crops and linked to health concerns. Their detection has become increasingly common thanks to advancements in analytical techniques. Examples include beauvericin, enniatins, and moniliformin, as well as newly identified metabolites which often occur alongside regulated mycotoxins, raising concerns about their interactive effects. This Special Issue will focus on the individual and combined toxicity of mycotoxins at the cellular and organ level, aiming to consolidate advances in mechanisms and risk assessment. Contributions will cover various topics: (1) molecular mechanisms of emerging mycotoxins, focusing on key signaling pathways and targets; (2) integration of multi-omics technologies to understand global molecular changes due to emerging mycotoxin exposure; (3) interactive effects of mycotoxin combinations involving emerging mycotoxins; (4) development and application of in vitro and ex vivo models for the assessment of health risk and potential mitigation strategies.

Guest Editors

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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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