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Mycotoxins and Their Metabolites Biochemistry, Molecular Biology and Toxicology

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Deadline for manuscript submissions:
closed (31 December 2021)

Message from the Guest Editors

Mycotoxins comprise hundreds of toxic secondary metabolites that are produced by fungi and contaminate cereal grains, leading to serious effects on human and animal health. Exposure routes, bioavailability, and potential accumulation of mycotoxins in different species or organs can lead to different toxicities. Although the toxicity of most metabolites has been reduced compared with the original mycotoxins, they are still extremely harmful, suggesting that further investigations into toxicity are necessary. As more and more novel mycotoxins and metabolites are discovered, there is increasing interest in studying the toxicity and molecular mechanisms of these toxins and their major metabolites. This Special Issue of Toxins is focused on new insights and advances in cellular and molecular mechanisms of toxicity induced by mycotoxins and their major metabolites, especially from biochemistry and signaling pathways that underlie these toxic responses. While the focus is on molecular biology and toxicology of mycotoxins and metablites, manuscripts addressing the occurrence, contamination, and risk assessment of novel mycotoxins and metabolites will also be considered.

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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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