Special Issue

Mycotoxins: Toxicity and Molecular Mechanisms

Message from the Guest Editor

Recently, mycotoxins from filamentous fungi in foods and grains have raised global concern due to their toxic effects. Over 500 mycotoxins are known, including aflatoxins, ochratoxin A, deoxynivalenol, T-2 toxin, zearalenone, fumonisins, cytochalasins, citrinin, penicillic acid, patulin, and fusarin C. Mycotoxin contamination is linked to diseases like cardiovascular issues, immunological disorders, neurodegenerative conditions, chronic liver disease, and cancer, with detection rates in some feeds or cereal foods reaching 100%. As mycotoxin contamination is inevitable, preventing and controlling it and eliminating its toxicity has become a global focus. Understanding the precise molecular mechanisms of mycotoxin toxicity is crucial for treating or detoxifying diet-related diseases in humans and animals. This Special Issue aims to collect research reports on mycotoxin contamination, toxic effects, and new treatment or detoxification strategies. We are particularly interested in epidemiological studies, mycotoxin detection, and assessments of combined exposures to different mycotoxins or other chemical hazards.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Toxics (ISSN 2305-6304) is an international, peer-reviewed, open access journal which provides an advanced forum for studies related to all aspects of toxic chemicals and materials. We aim to publish high quality work that furthers our understanding of the exposure, effects, and risks of chemicals and materials in humans and the natural environment as well as approaches to assess and/or manage the toxicological and ecotoxicological risks of chemicals and materials. Please consider publishing in *Toxics* when preparing your next paper.

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