Special Issue

Mechanism of Action of Mycotoxins

Message from the Guest Editor

Mycotoxins are a diverse group of chemicals that present wide toxicological responses in animals and humans. Their ingestion causes toxic effects that goes from acute toxicity to long-term or chronic health disorders. Some mycotoxins have caused outbreaks of human toxicoses, and at least one mycotoxin, aflatoxin B1, is an assumed human hepatocarcinogen. As part of a comprehensive effort to curtail the adverse health effects posed by mycotoxins, substantial research has been conducted to determine the mechanism of action of mycotoxins. Detection of biomarkers in noninvasive samples, such as urine, requires the use of methods which are beginning to be an important tool in measurement of human exposure to mycotoxins in populations that are particularly at risk. The focus of this Special Issue of Toxins is to gather the most recent reports on the mechanism of action of mycotoxins on single or combined mycotoxins studied *in vivo* or *in vitro*. The identification of known and unknown mycotoxins ´metabolites and other metabolites in different cell lines and animals or matrices, and the development of analytical skills to study these mechanisms.

Guest Editor

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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
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