Special Issue

Cereals Defense: A Global Perspective on Combating Mycotoxins

Message from the Guest Editors

Mycotoxin production in cereals is increasing due to various environmental stressors associated with climate change. The metabolic pathways responsible for mycotoxin biosynthesis are strongly negatively regulated by environmental factors such as temperature, precipitation, and CO2 concentration, which thus characterise mycotoxin production and the fungal community within the environment. To minimise the negative impact on health and food safety caused by environmental stressors of any kind, a continuous assessment of mycotoxin risk is required, especially in developing countries. Such processes can be evaluated at the molecular and genetic level, but with the same goal of creating mechanisms that can control and reduce the contamination of the environment with mycotoxins. For this reason, this Special Issue on "Cereals Defense: A Global Perspective on Combating Mycotoxins" covers all important topics at the molecular and genetic level related to the occurrence of mycotoxins in cereals during the vicious cycle of mycotoxin contamination.

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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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