Special Issue

Functional Genomics of Toxigenic Fungi and Regulatory Mechanism in the Biosynthesis of Mycotoxins

Message from the Guest Editors

The occurrence of fungal species, able to produce toxic metabolites, in agro-food products has received increasing attention over the last few decades. These metabolites, known as mycotoxins, are generally of low molecular weight, may have toxic activity toward plants, but they principally represent a serious risk for human and animal health. The current technologies of functional genomics have the potential to reveal the molecular mechanisms of response to climate change, as well as abiotic regulation of the secondary metabolites production and influence on the plant–fungus interactions. This Special Issue of Toxins wishes to present the most recent data on the main aspects of functional genomics of toxigenic fungi and regulatory mechanisms in the biosynthesis of mycotoxins, with the aim of better understanding the eco-physiology of mycotoxin production, and to get a view of predicting changes in fungal infections and toxin production associated with new climate scenarios.

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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.

Editor-in-Chief

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