



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

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Message from the Guest Editors

Dear Colleagues,

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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Guest Editors





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