Special Issue

Mycotoxins and Its Gene Regulation

Message from the Guest Editors

Dear Collegaues, Fungi, especially filamentous fungi, produce a diverse array of secondary metabolites (SMs), including toxic SMs, also known as mycotoxins. While among approximately 400 mycotoxins reported, most mycotoxins are known as food contamination, such as aflatoxin and ochratoxin A (OTA), some mycotoxins such as gliotoxin are involved in fungal infection in humans. Investigating the regulation mechanisms of mycotoxins is a prerequisite for controlling food contamination and pathogenicity. Comparative genomics and transcriptomics are addressing the sequence and regulation diversities of SM gene clusters, although it is conceivable that the gene regulation of SM gene clusters could be very complicated. In this Special Issue, not only current knowledge about mycotoxins but also genomics approaches with the aid of NGS are summarized.

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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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