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Mechanisms of Action of Antifungal Compounds/Agents in Food and Food Matrices

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Deadline for manuscript submissions:
closed (31 December 2022)

Message from the Guest Editors

Dear Colleagues,

Mycotoxins in foods is a worldwide concern given their potential risk for human health. Thus, antifungal agents are a promising tool to prevent not only mould contamination but also mycotoxin production in a further extent.

The different nature of the huge variety of antifungal compounds entails differential mechanisms of action on the target toxigenic moulds. The knowledge about these mechanisms deployed on moulds grown in complex matrices, such as food, may increase the efficiency of these treatments to reach the goal of safe foodstuff, free of mycotoxins.

This issue of the International Journal of Molecular Sciences will focus on “Mechanisms of action of antifungal agents in food and food matrices”, including commercial antifungal products, microorganisms, plant extracts, antifungal proteins and antifungal compounds, such as volatile compounds and quorum sensing molecules. Approaches to any new agents with ability to control mycotoxin production on food or food matrices are also welcome.

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Message from the Editor-in-Chief

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