

Special Issue

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

Message from the Guest Editors

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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Deadline for manuscript submissions

closed (31 December 2022)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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*International Journal of
Molecular Sciences*
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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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