



foods



an Open Access Journal by MDPI

Recent Advances in the Mitigation of Mycotoxin Contamination in Food Products

Guest Editors:

**Prof. Dr. Eliana Badiale
Badiale-Furlong**

School of Chemistry and Food,
Federal University of Rio Grande,
Rio Grande 96203-900, Brazil

Dr. Larine Kupski

School of Chemistry and Food,
Federal University of Rio Grande,
Rio Grande 96203-900, Brazil

Dr. Jaqueline Garda-Buffon

School of Chemistry and Food,
Federal University of Rio Grande,
Rio Grande 96203-900, Brazil

Deadline for manuscript
submissions:

closed (15 March 2024)

Message from the Guest Editors

Dear Colleagues,

Mycotoxins, natural contaminants found in food and feed, are produced by toxigenic fungi. The diversity of structures, thermal and chemical stability, and acute and chronic toxicity, has been a concern for food quality and public health.

Despite an increase in knowledge, the occurrence of mycotoxins—such as aflatoxins, fumonisin, ochratoxin A, patulin, trichothecenes and zearalenone—is unavoidable because they are stable along the food chain. The gap to mitigate exposure to them remains, from fungus development and the manifestation of its toxigenic potential to the ready-to-eat product. This Special Issue emphasizes new trends in strategies of mycotoxin mitigation in food and feed and highlights sustainable solutions for food quality and public health. The following topics are suggested:

- Fungus contamination and its toxigenic inhibition;
- Effect of processing parameters on mycotoxin levels and bioaccessibility;
- Effect of emergent technologies on mycotoxin levels and bioaccessibility;
- Diets to improve mycotoxin detoxification metabolism;
- Bioindicators of exposure to mycotoxin.



mdpi.com/si/162505

Special Issue



foods



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Arun K. Bhunia

1. Department of Food Science,
Purdue University, West
Lafayette, IN 47907, USA

2. Department of Comparative
Pathobiology, Purdue University,
West Lafayette, IN 47907, USA

Message from the Editor-in-Chief

Foods (ISSN 2304-8158) is an open access and peer reviewed scientific journal that publishes original articles, critical reviews, case reports, and short communications on food science. Articles are released monthly online, with unlimited free access. Currently, *Foods* has been indexed by the Science Citation Index Expanded (SCIE - Web of Science), PubMed, and Scopus. Our aim is to encourage scientists, researchers, and other food professionals to publish their experimental and theoretical results as much detail as possible. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global food science community.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [PMC](#), [FSTA](#), [AGRIS](#), [PubAg](#), and [other databases](#).

Journal Rank: JCR - Q1 (Food Science and Technology) / CiteScore - Q1 (Health Professions (miscellaneous))

Contact Us

Foods Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/foods
foods@mdpi.com
[X@Foods_MDPI](https://twitter.com/Foods_MDPI)