Special Issue

New Insights of Ochratoxins

Message from the Guest Editor

Ochratoxin A (OTA) has received attention in recent years as one of the most commonly occurring mycotoxins in the world. OTA is known as nephrotoxin and a possible human carcinogen. This mycotoxin is produced by many *Aspergillus* and *Penicillium* species that commonly occur in foods. Because of the diverse environmental conditions in which those fungi can grow and owing to the heat stability under most food processing conditions, OTA has been found in a wide range of agricultural commodities and their derived food products, especially in oats and oat-based products. The toxicity mechanism of OTA is still unclear, but it is absorbed into the gastrointestinal tract through food intake, and then absorbed OTA binds to albumin which has a very long half-life, resulting in its accumulation. Therefore, contamination of OTA in foods is a significant concern in food safety and public health. This Special Issue is dedicated to current understanding of the impact of OTA on human health, including its mechanism and toxicology, risk assessment, processing technologies and surveillance, as well as mycology or fungal biology. Review articles on this topic will also be considered.

Guest Editor

Dr. Hyun Jung Lee
University of Idaho, School of Food Science, Moscow, United States

Deadline for manuscript submissions

closed (31 October 2021)

Toxins

an Open Access Journal by MDPI

Impact Factor 4.0
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/51536

Toxins
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
toxins@mdpi.com

mdpi.com/journal/toxins

Toxins

an Open Access Journal by MDPI

Impact Factor 4.0
CiteScore 8.2
Indexed in PubMed

mdpi.com/journal/toxins

About the Journal

Message from the Editor-in-Chief

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.

Editor-in-Chief

Prof. Dr. Jay Fox
Department of Microbiology, University of Virginia, Charlottesville, VA, USA

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, CAPlus / SciFinder, AGRIS, and other databases.

Journal Rank:

JCR - Q1 (Toxicology) / CiteScore - Q1 (Toxicology)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.4 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the first half of 2025).

MDPI