Special Issue

New Perspectives on the Action of Probiotics against Food Contaminants

Message from the Guest Editors

The purpose of this Special Issue is to provide a collection of articles highlighting the intimate mechanisms underlying the detoxification of food contaminants by probiotics. Additionally, the development of probiotic-based functional foods and beverages that are scientifically proven to remove food contaminants is welcome, along with papers related to applications of the biodetoxification capacity of probiotics in environmental pollutants. As of this Special Issue, we encourage scientists to publish their experimental and theoretical results (as research articles, review articles, as well as short communications) related to probiotics as a protective strategy against contaminant toxicity in this Special Issue. We look forward to your submission. Keywords: food microbiology; probiotics; next-generation probiotics; functional foods; fermented foods; food contaminants toxicity; chemical contaminants; heavy metals; toxins; pathogens; mechanism of action; health and beneficial properties

Guest Editors

Prof. Dr. Simona Ioana Vicas

Faculty of Environmental Protection, University of Oradea, Oradea, Romania

Dr. Oana Lelia Pop

Department of Food Science, University of Agricultural Sciences and Veterinary Medicine, 400372 Cluj-Napoca, Romania

Deadline for manuscript submissions

closed (31 May 2023)

Microorganisms

an Open Access Journal by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed

mdpi.com/si/115230

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

mdpi.com/journal/microorganisms

Microorganisms

an Open Access Journal by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed

mdpi.com/journal/microorganisms

About the Journal

Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

Editor-in-Chief

Dr. Nico Jehmlich
Department of Molecular Toxicology, UFZ-Helmholtz Centre for Environmental Research, 04318 Leipzig, Germany

Author Benefits

High Visibility:

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

Journal Rank:

JCR - Q2 (Microbiology) / CiteScore - Q1 (Microbiology (medical))

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.2 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2025).

MDPI