

Special Issue

Probiotics for the Mitigation of Resistant Foodborne Pathogens

Message from the Guest Editors

Antimicrobial resistance has become a challenging problem affecting both humans and animals worldwide. The indiscriminate wide spread of antibiotics has led to the emergence of antimicrobial-resistant bacteria, leaving few therapeutic options for the treatment of multidrug-resistant bacteria. For the development of effective antimicrobial resistance (AMR) control measures and health policy choices, monitoring the spread of AMR infections is essential. This Special Issue welcomes high-quality original research papers on topics related to foodborne pathogens and probiotics. It will focus on topics including the presence and meaning of spoilage, useful and pathogenic microorganisms, technological strategies to promote their detection (traditional and molecular methods, biosensors) and control to improve food safety, reduction/elimination and use in food production. This Special Issue will welcome advanced studies on microorganism interactions in food matrices, starter cultures, bacteriocins, whole genome sequencing and microbial responses to stresses in the food chain and innovation in food protection, such as the use of bioprotective and antioxidant cultures.

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2023)



Microorganisms

an Open Access Journal
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Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed



mdpi.com/si/164824

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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.

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 20 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the second half of 2025).