Special Issue

Detection, Genophenotypic Characterization, and Antimicrobial Resistance of Microbial Contaminants

Message from the Guest Editors

Microbiological contamination, the unintended or accidental introduction of microorganisms such as bacteria, yeast, mold, fungi, virus, prions, protozoa, or their toxins and byproducts, is a worldwide public health concern. This Special Issue seeks to gather papers on various aspects of microbial contamination, including microbiological surveys of emerging pathogens and studies on the relationship between microbial contamination and health effects. We especially encourage the submission of interdisciplinary work and manuscripts related to 1) new detection methods for microbiological surveys, such as the use of next-generation sequencing (NGS), 2) genotypic and phenotypic characterization of pathogenic contaminants, and 3) antimicrobial resistance of microbial contaminants. In this Special Issue, there are many possible objects of microbiological contamination, including but not limited to food, pharmaceutical drugs, cosmetics, tattoo inks, medical devices, and the environment of clinical hospitals. We welcome original research papers as well as reviews

Guest Editors

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Deadline for manuscript submissions

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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 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).

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