

Special Issue

Antimicrobial Metabolites: Production, Analysis and Application

Message from the Guest Editor

Pathogenic microorganisms (bacteria, fungi, yeasts) cause severe food losses and the critical issues of poisoning and damage to plants. In addition to this, outbreaks of resistance to conventional antimicrobials (antibacterial, antifungal) have encouraged the search for metabolites with antimicrobial activity derived from microbial fermentation. This Special Issue will receive high-quality papers that present results that allow knowledge to be gained in the production, analysis, and applications of metabolites derived from fermentations. Topics include, but are not limited to, the following:

- Isolation of microorganisms with the capacity to produce antimicrobial metabolites.
- Analysis of the mode of action of antimicrobial metabolites.
- Optimization of the production of antimicrobial metabolites.
- Identification of new antimicrobial metabolites.

Keywords: antibacterial; antifungal; peptides; lactic acid; organic acids; yeast; mold; bacteriocins

Guest Editor

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

Welcome to a new open access journal, Fermentation, which meets the growing need for a high quality peerreviewed international journal with easy access to all researchers globally. We hope that you will share our enthusiasm for this new journal and look forward to working with you to make Fermentation a leader in its field. Your contributions are vital for the success of this new journal. Proposals for editing a special issue for a particular topical area are always welcome.

Editor-in-Chief

Dr. Badal C. Saha
Retired, National Center for Agricultural Utilization Research, USDA-
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manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.5 days after submission; acceptance to publication is undertaken in 3.9 days (median values for papers published in this journal in the first half of 2025).