Special Issue

Advances in Food Antimicrobial Compounds

Message from the Guest Editor

Food security and agricultural productivity are global issues which require innovative solutions. Antimicrobial agents are commonly utilized in food systems for preservation, coatings for agriculture produce, and in food packaging systems to reduce pathogen growth and extend shelf life. In recent years, there has been a growing preference for naturally sourced antimicrobials over chemical-based variants due to the health risks associated with the latter and the growing resistance of pathogens. This Special Issue will focus on the effects of using natural antimicrobials and their applications in real food systems and preservation, including antibacterial food packaging systems that aim to extend the shelf life of fresh produce, meats and seafood. Studies which incorporate antimicrobial coatings on fresh produce will also be considered.

Guest Editor

Dr. Jaslyn Jie Lin Lee
School of Chemistry, Chemical Engineering and Biotechnology, Singapore City, Singapore

Deadline for manuscript submissions

31 January 2026

Microorganisms

an Open Access Journal by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed

mdpi.com/si/246967

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