

Special Issue

Antimicrobial Compounds from Alternative Sources 2.0

Message from the Guest Editors

This Special Issue aims at providing an updated overview of research results for alternative sources of antimicrobial drugs and therapies, their laboratory or clinical use, preparation technologies, factors influencing their efficacy in medicine, and their impact on preserving “One Health” and “One Welfare”. Submissions of perspectives, opinions, commentaries, and data reports are also welcome. Potential topics include, but are not limited to, the following:

- Antimicrobial compounds from plants: their preparation, use, and biological effects;
- Bee products: their role in obtaining novel antimicrobials;
- Antimicrobial compounds from mineral sources: obtainment methodology, standardization, and biological effects;
- Antimicrobials from other sources (marine or terrestrial, microorganisms, etc.): obtainment methodology, effects, and biological uses;
- Impact of alternative antimicrobials on antibiotic resistance gene transfer;
- Farming technologies and alternative antibiotic uses;
- Potential role of alternative antimicrobial in controlling environment pollution;
- Prevention and control of antibiotic resistance by use of alternative antimicrobials.

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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).