

Special Issue

Antimicrobial Compounds from Alternative Sources

Message from the Guest Editors

This Research Topic aims at updating research results on alternative sources for antimicrobial drugs and therapies, their laboratory or clinical use, preparation technologies, factors influencing their efficacy in medicine, and their impact in 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, biological effects;
- Antimicrobials from other sources (marine or terrestrial, microorganisms, etc.): obtainment methodology, effects, biological uses;
- Impact of alternative antimicrobials on antibiotic resistance gene transfer;
- Farming technologies and alternative antibiotic uses;
- Potential role of alternative antimicrobial to control environment pollution;
- Prevention and control of antibiotic resistance by use of alternative antimicrobials.

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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).