Special Issue

Research on Natural Products against Pathogens

Message from the Guest Editor

Infectious diseases have always represented a threat to humans, and they have been overcome through the discovery of antibiotics and antiviral agents. In addition to the most frequent antibiotic-resistant strains, the COVID-19 pandemic reactivated global concerns about emerging pathogens, leading to infections that are more difficult to treat. The main natural products used as pharmaceuticals have evolved to become structurally diverse and unique and have a high biological affinity and specificity. Most antimicrobial drugs currently used in clinics originate from or are inspired by natural products, and thus, they will continue to be important raw materials for the development of new drugs. The aim of this Special Issue of *Microoorganisms* is to cover the new findings and advances in the chemistry and biology of antimicrobial natural molecules, comprising novel structural features, biosynthetic studies, metabolomic studies, as well as their biological activities and mechanisms of action. Review articles that make substantial advances within this field will also be considered.

Guest Editor

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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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