Special Issue

Fungal Infections and Antifungal Strategies

Message from the Guest Editor

The focus of this Special Issue is fungal infections and the potential antifungal strategies that can be used to combat them. Commensal fungal species can transform into invasive pathogens if the host's immune system is weakened. The inhalation of large quantities of some fungi, particularly pathogenic species, can cause disease in even healthy hosts. This Special Issue aims to showcase current research investigating novel antifungal compounds; in vitro and in vivo studies elucidating their properties are both welcome. Potential topics include, but are not limited to, the following:

- Novel antifungal compounds;
- The mechanisms of action of antifungal compounds;
- The use of nanoparticles to deliver fungicidal compounds;
- Natural compounds and conventional therapy combination approaches;
- Pharmacological evidence for antifungal activity (in vitro, in vivo, and in silico);

Multiple methodological approaches may be employed to determine the antifungal properties and activity of these novel compounds, as well as to investigate drug resistance phenomena.

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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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).

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