

Special Issue

Exploring Fungal Diversity: Novel Bioactive Compounds and Sustainable Bioprocesses

Message from the Guest Editors

With the rapid advances in high-throughput techniques for the screening and analysis of novel microbial strains, it has now become easier to explore and exploit newly isolated microbial strains from a wide array of different natural environments. This is crucial to identify novel bioactive compounds and enzymes, as well as for the search of novel cell factories in order to serve as better hosts than the classical workhorses for bio-based production processes. The aim of this Special Issue is to provide an interdisciplinary tool for sharing the recent advances in the use of fungi as cell factories in terms of both fundamental and applied research. As guest editors of this Special Issue, we invite you to submit research articles, review articles, and short communications related to isolation and screening, physiological characterization, recent “-omics” and bioprocess development related to the use of fungi for the production of novel bioactive compounds, and for implementing novel cell factories with superior capabilities, paying special attention to non-Saccharomyces species.

Guest Editors

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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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