Special Issue

Advances in Microbial Biosynthesis

Message from the Guest Editor

Microorganisms constitute important platforms for the biosynthesis of numerous valuable molecules, being fundamental for the biobased manufacturing industry. The studies in biotechnology and applied microbiology are constantly evolving and focusing especially on the use of microorganism as cell factories for valuable biocompounds.

This Special Issue will provide an excellent tool for sharing recent advances in microbial biosynthesis. The potential topics include the microbial biosynthesis of bioactive metabolites and nutritionally valuable compounds—such as vitamins, exopolysaccharides, antioxidants, colorants, single-cell proteins, and single-cell lipids—as well as novel food additives, all related to the simultaneous utilization or valorization of troublesome waste (from agriculture and the food industry) or low-cost and rapid production through environmentally benign routes.

You are very welcome to send contributions concerning many aspects related to microbial biosynthesis, including both fundamental and applied research.

Guest Editor

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Deadline for manuscript submissions

closed (31 January 2023)

Microorganisms

an Open Access Journal by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed

mdpi.com/si/78639

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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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