

Special Issue

State-of-the-Art Microbial Biotechnology in China (2026, 2027)

Message from the Guest Editor

Microbial biotechnology is a cornerstone of sustainable development, driving transformative solutions across health, agriculture, energy, and environmental sectors. This Special Issue, “State-of-the-Art Microbial Biotechnology in China (2026, 2027)”, aims to highlight recent breakthroughs and innovative strategies developed by Chinese research groups. Special emphasis will be placed on emerging and high-impact areas such as extremophile applications, synthetic biology, bioprocess and bioreactor engineering, industrial microbiology, bioresource utilization, biofuels and bioproducts, environmental sustainability, and bioremediation coupled with waste recycling. We welcome contributions on microbial production of bioresources, agents, bioproducts, biofuels, agricultural feed, pharmaceuticals, and sustainable agricultural inputs, as well as studies on microbial interactions, novel bioprocesses, and the integration of artificial intelligence, nanotechnology, and advanced bioreactor design. This Special Issue seeks to provide an overview of microbial biotechnology in China, showcasing the nation’s pivotal role in shaping a resilient and sustainable bioeconomy.

Guest Editor

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Deadline for manuscript submissions

28 February 2027



Microorganisms

an Open Access Journal
by MDPI

Impact Factor 4.7
CiteScore 8.2
Indexed in PubMed



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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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