

Special Issue

Application of Advanced Technologies in Microbial Biotechnology and Bioprocessing

Message from the Guest Editors

Microbial biotechnology holds immense promise for addressing global challenges in medicine, agriculture, the environment, and industry. This Special Issue on *Application of Advanced Technologies in Microbial Biotechnology and Bioprocessing* will curate novel advances in research areas such as high-throughput sequencing, synthetic biology, AI-driven analytics, and bioinformatics in order to create new opportunities for microbial manipulation and understanding. This collection will highlight how these tools are reshaping our capabilities. The studies presented here will illustrate a broad range of applications, from optimizing microbial production processes to engineering microbes for environmental sustainability, and highlight the importance of interdisciplinary approaches in advancing microbial biotechnology. Whether you are a researcher, an industry professional, or a student, we invite you to submit pioneering studies that push the boundaries of microbial technology. Together, let us advance our knowledge and application of microbial systems to build a more sustainable and innovative future.

Guest Editors

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Editor-in-Chief

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