



Microorganisms and their Use in Biotechnological Production

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Message from the Guest Editors

Dear Colleagues,

Microorganisms have been used in different applications for thousands of years, especially in food such as bread or beer production. In recent decades, their uses have increased in chemical and biofuel production. Especially in the case of phototrophic microorganisms, their capability to capture CO₂ and utilize light has been exploited to produce different compounds. Furthermore, the applications of yeasts and bacteria in waste treatment, the bioremediation of environmental pollutants, or as ameliorants against biotic and abiotic stressors have also increased. However, we still need to learn how they work in many applications or the potential use of new microorganisms.

This Special Issue aims to explore the intricate interplay between microorganisms and biotechnological production. We invite contributions that delve into microbial physiology, metabolic engineering, fermentation, and novel applications, among others.

By fostering interdisciplinary dialogue, we aspire to unravel new frontiers in biotechnology.





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Message from the Editor-in-Chief

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