

Special Issue

Microorganisms and their Use in Biotechnological Production

Message from the Guest Editors

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.

Guest Editors

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Deadline for manuscript submissions

closed (10 November 2024)



Applied Sciences

an Open Access Journal
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Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/202914

Applied Sciences
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mdpi.com/journal/

[applsci](https://doi.org/10.3390/applsci)





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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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