Special Issue

Biotechnological Production of Fuels and Value-Added Materials from Renewable Sources

Message from the Guest Editor

Today's economy is driven by fossil-based materials and fuels, represented by petroleum, which poses serious environmental and social concerns. Biocatalysts based on microorganisms or enzymes are very powerful tools to synthesize a variety of industrially useful compounds from wastes (e.g., agricultural and industrial), which is considered a green approach. Thus, the biotechnological approach is suggested as a promising alternative for accomplishing a sustainable and circular economy. We are pleased to invite you to this Special Issue on "Biotechnological Production of Fuels and Value-Added Materials from Renewable Sources" to contribute to this important field of research. This Special Issue covers the valorization of cheap starting substrates toward valuable, industrially relevant materials such as fuels, pharmaceuticals, food/cosmetic ingredients, and chemicals, mediated by microorganisms and/or enzymes. Strategies to improve the biocatalyst efficiency (e.g., metabolic or protein engineering) are also encompassed within the scope of the issue. In this Special Issue, both original research articles and comprehensive reviews are welcome.

Guest Editor

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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.

Editor-in-Chief

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