



catalysts



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Design and Application of Advanced Biocatalysts

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Message from the Guest Editors

Dear Colleagues,

It is my pleasure to invite you to contribute to the Special Issue “Design and Application of Advanced Biocatalysts”, which aims to present recent advances in the design and development of biocatalysts based on different strategies, including whole-cell, enzyme, and protein engineering (e.g., rational design, directed evolution, metagenomics); multi-enzyme systems; immobilization; among others. This Special Issue will focus on recent and emerging advances in the area of enzyme technologies and the integration of protein and process engineering critical to implementation in manufacturing processes toward applications in various the fields of health, food, and chemistry.

Nowadays, biocatalysts are very appealing to industry, namely, the pharmaceutical, food, cosmetic, and textile industries. Of particular interest are biocatalysts aimed at the optimization of discovery and production, immobilization and recycling, process and sustainability design and metrics that are fundamental to accessing new activities and increasing catalytic efficiency and stability.



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Special Issue