



catalysts



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Surfaces and Interfaces in Biocatalysis

Guest Editor:

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Structure Induced by Surface
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Message from the Guest Editor

In recent years, biocatalysis has been increasing in importance due to challenging possibilities not accessible by chemical synthesis—enantioselectivity, milder and green chemistry conditions, and minimized energy and waste. Therefore, biocatalysts, i.e., naturally occurring biological materials (e.g., enzyme-specific proteins), play a major role in the production of biobased and bioeconomic products.

This Special Issue is dedicated to the experimental and theoretical aspects of the science and technology of biocatalysis; bioprocesses; agricultural and medical biotechnology; the chemical and physical characterisation of biomaterials at the surface and interface; the description of the interactions of biomaterials at the interface; the description of mechanisms and processes at the surface and interface; techniques of qualitative and quantitative characterisation of the surface and interface of biomaterials; theoretical modelling of the biointerface; methods of surface biofunctionalisation/biomodification; and methods of attaching biomaterials with molecular precision.



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