



Enzymes and Biocatalysis

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Message from the Guest Editors

Dear Colleagues,

Enzymes are proteins produced by living cells to catalyze a reaction—so-called biocatalysts. Biocatalysis refers to the use of microorganisms and enzymes in chemical reactions, has become increasingly popular, and is frequently applied in the industry, since enzymes are highly specific and high catalytic efficiencies. Therefore, various studies on enzymes have been developed, including enzyme production, purification, enzyme kinetics, enzyme immobilization, enzyme reactors, biotransformation, the synthesis of bioactive chemical compounds, the production of valuable products, analysis application, and biosensors.

In this Special Issue, we welcome original research articles and reviews focused on all aspects of enzymes used for biocatalysis, process optimization, ultrasonic processes, fine chemicals production, enzymatic assisted extraction, enzyme production, biocatalytic processes, environmental protection, bio-reactor, food process, biomass utilization, bioresource application, bio-transformations, enzymology, biological activity, the enzymatic synthesis of value-added chemicals, nanotechnology; environment and biodiversity, bioremediation, etc.

