

Special Issue

Advanced Technologies for Biocatalytic Synthesis

Message from the Guest Editors

The importance of biocatalytic processes is growing rapidly in many fields due to the developing toolkits of biocatalysts enabled by sophisticated analytical techniques uncovering unexplored natural biocatalysts and by the intensive growth of novel enzymes supported by recombinant techniques and directed evolution. Several synthetic and analytical processes rely on biocatalytic methods that provide unique and sustainable solutions in scientific or industrial fields or even in our everyday lives. Thus, the innovation of novel biocatalytic processes, especially for synthetic chemistry, is in the focus of attention. This Special Issue on “Advanced Technologies for Biocatalytic Synthesis” welcomes the submission of original papers or reviews related to the field of biocatalysis, including the following topics: novel enzymes for biocatalytic processes, stereoselective synthesis catalyzed by biocatalysts, development of immobilized biocatalysts (enzyme or whole-cells), cascade biocatalytic synthesis, computational and/or experimental studies on enzyme mechanism, reactor design for biocatalytic processes, and integration of biocatalytic process in multi-level systems.

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