

Special Issue

Frontiers of Biocatalysis and Biotransformation

Message from the Guest Editor

Biocatalysis and biotransformation (BCBT) is a cross disciplinary area of research that integrates biology, chemistry and process engineering. The core goal is to produce chemicals, medicines, materials and energy using biological or enzymatic processes. BCBT is becoming an important way to replace and expand traditional organic synthesis for significant advantages such as high efficiency, high selectivity, moderate reaction conditions and environmental friendliness. However, several barriers, such as discovery tools of new biocatalysts, the theory and technology of biocatalyst improvement, biocatalytic efficiency under industrial conditions and principles and applications of mutual adaptation between biocatalysts and bioprocesses, need to be explored and solved. This Special Issue collects original research papers, reviews and opinions focused on frontiers of biocatalysis and biotransformation. Submissions are also welcome from outside the areas presented above.

Guest Editor

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