

Special Issue

Biocatalysis for Industrial Applications

Message from the Guest Editors

Biocatalysis has been established as a competitive alternative to traditional metallo- and organo-catalysis. The high selectivity of enzymes, along with their ability to catalyze reactions under mild conditions, have attracted the interest of industries. The advances in various fields, such as biotechnology, molecular biology and bioinformatics, provided the means to develop tailor-made biocatalysts that meet the industrial standards. Advances in metabolic engineering and genome editing facilitated the exploitation of a host's metabolism to produce desired products from simple carbon sources in one pot. Thus, there is a constant rise on the number of bioprocesses in industrial applications. This Special Issue aims to highlight the potential of biocatalysis in industry and to emphasize the trends, as well as the challenges to be faced. Submissions are welcome in the form of original research papers or short reviews which reflect the state of the art and provide a new insight.

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