

Special Issue

Enzyme Application in Sustainable Processes and Industrial Biocatalysis

Message from the Guest Editors

Enzymes are a class of macromolecules with a wide range of applications in industrial processes due to their catalytic activity, as they can selectively modify a unique substrate in a complex matrix under mild experimental conditions. Compared with other catalysts, these biocatalysts have multiple advantages including sustainability, specificity, activity, and catalytic efficiency. At present, only a small number of the known enzymes present in nature are used in industry. Moreover, they must be optimized for biotechnological use. For this reason, enzyme engineering has emerged as an interesting technology to customize biocatalysts with improved properties to obtain new ingredients and high-quality products under the principles of green chemistry. Thus, this Special Issue is focused on enzyme application in industrial processes; original research articles and reviews are welcome and encouraged.

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