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Biocatalytic Cascade Reactions

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Message from the Guest Editors

The use of enzymes for Green Chemistry is already embedded in many industrial processes. Enzyme cascades represent the next generation of biocatalysis, making many more reactions, chemicals, and processes accessible. These developments will drive ecological improvements in the manufacturing of pharmaceuticals, fine chemicals, and fragrances, among others. This Special Issue will focus on recent developments in enzyme-based cascade reactions *in vitro* and *in vivo*. Enzyme cascades have shown enormous potential to extend biocatalysis and green chemistry from single enzyme reactions into more complicated biotransformations. This Special Issue will cover all aspects of cascade reactions, including cofactor recycling, optimisation of metabolic flux, suppression of side reactions, metabolic engineering, modelling, and the use of microfluidics.



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Special Issue