

Special Issue

Multienzymatic Catalysis and/or Enzyme Co- immobilization

Message from the Guest Editor

The importance of biocatalysis is continuously growing, and many multienzymatic processes are being developed. These include cascade reactions, where the product of one enzyme is the substrate of the next enzyme, but also many other biocatalysts (e.g., use of lytic enzymes to prevent contaminations in bioprocesses). This Special Issue intends to address this diversity of multienzymatic reactions: processes where cofactor recycling is required, synergy hydrolysis of proteins and polysaccharides, a process where hydrogen peroxide is substrate or product, etc. On the other hand, enzyme coimmobilization may produce some kinetic advantages. There is an enormous effort to develop coimmobilization technologies that can permit the specific location of each enzyme, and also to solve some of the inherent problems of coimmobilization. This way, this Special Issue also welcomes papers addressing the preparation of multienzymatic coimmobilized biocatalysts.

Guest Editor

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