

Special Issue

Biocatalysis and Pharmaceuticals: A Smart Tool for Sustainable Development

Message from the Guest Editor

In the last years, the advances in bioinformatics, enzyme evolution or process intensification have enlarged the effectiveness of biotransformations, accelerating the rate at which new enzymes are becoming available, even for promiscuous activities not previously known. Thus, now it is possible to join the exquisite enzymatic precision and inherent sustainability associated to the employ of biocatalysts with the possibility of generating new and more robust biocatalysts, expanding the biocatalytic toolbox, moving inside a time scale more compatible with the demands of pharmaceutical industry. For these reasons, it seems clear that we are entering in a new scenario, in which biocatalysis will play an even more significant role in such a competitive and demanding industry. This Special Issue aims to gather, but is not restricted to, the discovery of new enzymatic activities, the chemical or genetic modification of known biocatalysts for further application in the development of new drugs, and the implementation of biocatalyzed protocols to increase the sustainability in the synthesis of drugs and bioactive molecules.

Guest Editor

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