

Special Issue

Biocatalytic Synthesis of Bioactive Compounds

Message from the Guest Editor

Biocatalysis, the application of enzymes as catalysts for chemical synthesis, has become an increasingly valuable tool for the synthetic chemist. Enzymatic transformations carried out by enzymes or whole-cell catalysts are used for the production of a wide variety of compounds, from bulk chemicals to fine ones. The primary consideration for the incorporation of a biotransformation in a synthetic sequence is the regio- and stereo-control that can be achieved with an enzyme-catalyzed reaction. Biotransformations are thus becoming accepted as a method for generating optically pure compounds, as well as for developing efficient routes to target compounds. This Special Issue aims to the main applications of biocatalysts, isolated enzymes, and whole microorganisms for the synthesis of bioactive compounds and their precursors.

Guest Editor

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Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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