

Special Issue

Application of Immobilized Enzyme as Catalysts in Chemical Synthesis

Message from the Guest Editors

This Special Issue will be focused on the report of any relevant chemical syntheses catalyzed by immobilized enzymes. In addition to that, special emphasis will be focused on (i) modulation of enzyme properties (activity, selectivity and stability) via immobilization and post-immobilization techniques; (ii) use of immobilized enzymes in non-conventional media (ionic liquids, organic solvents, etc.); (iii) use of immobilized enzymes in solvent-free systems; (iv) Sequential enzyme cascades: Co-immobilization and co-localization of two or more enzymes; (v) synthesis involving cofactor regeneration; (vi) design of immobilized enzyme reactors: Basket reactors, continuous flow reactors, etc.; (vii) chemo-enzymatic synthesis; (viii) asymmetric and enantioselective synthesis; (ix) re-use or continuous use of immobilized biocatalysts; (x) immobilization of enzymes that had been improved via biological techniques, etc.

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