



New Trends in Asymmetric Catalysis

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Message from the Guest Editors

Asymmetric catalysis, which is founded on three main pillars—metal-catalysis, organocatalysis, and biocatalysis—has grown explosively during the last few decades, and continual developments can be witnessed in this active research area. An impressive number of enantioselective transformations and efficient catalysts have been reported to date.

This Special Issue aims to cover recent advances in various aspects of asymmetric catalysis, including design and application of novel catalysts (metal compounds, organocatalysts, peptide derivatives, phase-transfer agents), mechanistic studies of enantioselective processes, innovative organic transformations, and others. Research articles, short communications, brief reports, and review papers on this topic are welcomed.

Keywords

Chiral catalysts
Chiral ligands
Enantioselectivity
Asymmetric organocatalysis
Enantioselective industrial processes
Asymmetric metal catalysis
Asymmetric phase-transfer catalysis
Enantioselective enzyme-catalyzed reactions
Kinetic resolution
Supported chiral catalysts

