

Special Issue

Asymmetric Catalysis and Synthesis 2023

Message from the Guest Editor

Enantiopure organic compounds are important in both biological and medicinal chemistry and material chemistry. Most medicines are optically active compounds. Asymmetric catalysis and synthesis are efficient methods for the preparation of optically active organic compounds and have been well developed over the last three decades. Various optically active chiral catalysts and asymmetric reactions have been achieved and applied. This Special issue of *Molecules* welcomes leading scientists to submit original research papers and reviews in the field of asymmetric catalysis and synthesis, including asymmetric synthesis, asymmetric catalysis, transition metal-catalyzed asymmetric catalysis and synthesis, organocatalyzed asymmetric catalysis and synthesis, enzyme-catalyzed catalysis and synthesis, kinetic resolution, theoretical investigations into asymmetric catalysis and synthesis, chemical modification of chiral organic compounds, and the related biological activity.

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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