

Special Issue

Modern Trends in Catalytic Asymmetric Synthesis

Message from the Guest Editor

The important requirement for approval of a new drug, in case it happens to be chiral, which is that both enantiomers of the drug be studied in detail, has focused the attention of synthetic organic and medicinal chemists on the development of new methods for catalytic asymmetric synthesis of homochiral small organic molecules relevant to drug discovery. Despite the success of chirally modified transition-metal catalysts in asymmetric synthesis, in the form of the Nobel Prize in Chemistry (2001), the field of asymmetric organic synthesis has since been dominated by organocatalysts due to their ability to catalyze a variety of fundamentally important transformations in organic synthesis. The purpose of this Special Issue is to highlight new catalytic asymmetric processes that have been recently discovered.

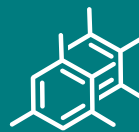
Guest Editor

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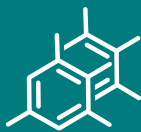


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As the premier open access journal dedicated to molecular chemistry, now in its 29th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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