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Asymmetric and Catalytic Synthesis: Topics and Advances

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Deadline for manuscript submissions:
31 December 2024

Message from the Guest Editor

Dear Colleagues,

We are pleased to see that the Nobel Prize for Chemistry has, once again, been granted to the outstanding research on asymmetric catalysis, which highlights the importance of this continuously developing research area. Although tremendous success has been achieved in recent decades, the need for novel asymmetric catalytic methodologies with powerful catalysts, new technologies, environmentally friendly systems, versatile applications, and, of course, new products, is still high.....

This Special Issue aims to highlight the research on asymmetric and catalytic synthesis, including, but not limited to, new concepts and new techniques. We are looking forward to receiving your contributions to asymmetric transformations with organocatalysts, transition metals, enzyme and artificial enzymes, supramolecular catalysts, and the novel approach from chiral pools.

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Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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