Special Issue

New Advances in Asymmetric Organocatalysis

Message from the Guest Editors

The synthesis of enantioenriched organic molecules plays a pivotal role in organic chemistry and has essential applications in the preparation of pharmaceutically relevant compounds. Organocatalysis has proven to be an efficient alternative to the most common organometallic synthetic methodologies for the achievement of enantioenriched molecules, possessing several advantages in terms of stability of the catalysts, possible cooperation with other catalysts, and wide application of multiple substrates. Further, diverse research groups have focused on the development of organocatalytic stereoselective domino/one-pot reaction sequences to achieve complex molecular scaffolds, providing atom and step-economical synthetic methodologies. The aim of this Special Issue is to advance the knowledge on organocatalytic methodologies for the asymmetric synthesis of enantioenriched organic compounds, as well as the use of organocatalysis in the total synthesis of bioactive compounds. As , it is our pleasure to invite you to contribute research and review articles to this Special Issue.

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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.

Editor-in-Chief

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