Asymmetry and Symmetry in Organic Chemistry

Guest Editor:

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closed (31 August 2020)

Message from the Guest Editor

The stereoselective construction of new organic compounds is still one of the most important fields in modern synthetic organic chemistry. This Special Issue invites contributions concerning asymmetric synthesis, especially including the application of chiral ligands and organocatalysts, various theoretical aspects of optical activity of organic compounds, stereodivergent and stereoconvergent catalysis, and mechanistic aspects of asymmetric induction. As part of this Special Issue, reports describing various synthetic approaches leading to symmetric organic compounds are also welcome. They may include, for example, the synthesis of molecules bearing a plane of symmetry, symmetry axis, center of symmetry, and similar.

Special Issue

Editor-in-Chief

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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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