



symmetry

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Advances in Organic Chemistry with Symmetry/Asymmetry

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Message from the Guest Editor

Symmetry and asymmetry are important concepts in organic chemistry, especially when it comes to determining the stereochemistry and properties of organic molecules. Here are some advanced topics related to symmetry and asymmetry in organic chemistry:

Chirality;

Enantiomers and diastereomers;

Symmetry operations;

Point group symmetry;

Stereoselectivity in reactions;

Crystallography and symmetry.

Overall, understanding symmetry and asymmetry in organic chemistry is essential for determining the stereochemistry and properties of organic molecules, predicting reaction outcomes, and designing new chemical reactions and synthetic pathways.



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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.

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