

Special Issue

Symmetry/Asymmetry in Design and Synthesis of Organic Compounds

Message from the Guest Editors

- Organic chemistry serves as a vital bridge between the physical and life sciences, integrating principles from physics, mathematics, and computational methods into the design and synthesis of novel compounds. A key challenge lies in the controlled transformation of molecules—breaking and forming bonds with precision—to construct complex structures, whether inspired by natural products or conceived de novo.
- This Special Issue, titled "Symmetry/Asymmetry in Design and Synthesis of Organic Compounds," aims to explore the interplay between symmetry principles and synthetic strategies, highlighting their applications in organic chemistry and related disciplines. Topics may include theoretical developments, computational modeling, and practical applications in fields such as chiral catalysis, stereoselective synthesis, supramolecular architectures, and biomimetic strategies. The Special Issue will showcase how symmetrical and asymmetrical motifs influence reactivity, stereoselectivity, and function, bridging the gap between molecular design and practical synthesis.
- We look forward to your submissions.

Guest Editors

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About the Journal

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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