

Recent Advances in the Field of Non-common Heteroatom-Containing, Optically Active Molecules

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Message from the Guest Editors

Dear Colleagues,

This Special Issue is devoted advances in the chemistry of optically active compounds containing non-common heteroatoms, like S, P, Si, and B. The asymmetric center(s) may be in the heteroatom itself or in other parts of the molecular structure. The Special Issue welcomes regular research papers, reviews, and short communications in this field. Relevant topics include asymmetric heteroatom-contacting organic and organometallic syntheses, and optical resolutions. Synthetic strategies and methodologies, applications of chiral auxiliaries or catalysts, transition metal complexes of P-ligands, the application of homogeneous catalysis, methods for the separation of enantiomers, theoretical or spectroscopic aspects, as well as physicochemical or biological activities of stereoisomers may be discussed in this scientific paper.

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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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