Special Issue

Symmetry in Organic Chemistry: Synthesis and Properties of Symmetrical Organic Compounds

Message from the Guest Editor

Symmetry is a fundamental concept in sciences. In chemistry, symmetry can be found everywhere, including at the atomic, molecular, and supramolecular level. It is used in molecular spectroscopy, X-ray crystallography, in the mechanistic interpretation of chemical reactions, and other processes. From the standpoint of synthetic organic chemists, symmetrical molecules (organic compounds with a plane, center, or alternating axis of symmetry) play a pivotal role in the development of new materials. Porphyrins, prophyrazines and phthalocyanines, extended acenes and heteroacenes, dimeric and oligomeric (hetero)cyclic compounds, BODIPYs, fullerenes, dendrimers, and metal–organic complexes/frameworks, to name but few, are symmetrical compounds which have outstanding properties and find applications in diverse areas, both in materials and pharmaceutical sciences. This Special Issue is dedicated on the synthesis and/or properties of such symmetrical organic molecules and we invite you to submit your contributions.

Guest Editor

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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.

Editor-in-Chief

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