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Chirality in Theoretical and Experimental Chemistry

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Message from the Guest Editors

Chirality is the ability of a material object or system to exist as a pair of non-superimposable mirror images that represents one of the most fundamental properties of our universe, ubiquitous as at the micro- and macro-scales. The concept of chirality and associated phenomenon of chirogenesis are important for different branches of natural sciences, modern technologies, and medicine...Therefore, due to a highly applied value of chiral compounds and fundamental significance of chirality and chirogenic phenomena for their bioactivity and technological applications, both theoretical and experimental studies of various chemical aspects of chirality have a paramount significance as a prerequisite for further progress in enantioselective catalysis, asymmetric synthesis, chirality sensing, separation of enantiomers, pharmacology, biomimetic studies, material science, agrochemistry, etc.

This Special Issue is to collect papers on all aspects of chirality and chirogenic phenomena related to theoretical and to experimental chemical sciences. All types of papers are welcome for consideration.

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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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