Special Issue

Chirality in Theoretical and Experimental Chemistry

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.

Guest Editors

Dr. Dzmitry Kananovich
Tallinna Tehnikaülikool, Tallinn, Estonia

Prof. Dr. Victor Borovkov
Department of Chemistry and Biotechnology, Tallinn University of Technology, Academia tee 15, 12616 Tallinn, Estonia

Deadline for manuscript submissions

closed (30 September 2023)

Symmetry

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 5.3

mdpi.com/si/122985

Symmetry
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
symmetry@mdpi.com

mdpi.com/journal/symmetry

Symmetry

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 5.3

mdpi.com/journal/symmetry

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

Prof. Dr. Sergei Odintsov
1. ICREA, 08010 Barcelona, Spain
2. Institute of Space Sciences (IEEC-CSIC), C. Can Magrans s/n, 08193 Barcelona, Spain

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within SCIE (Web of Science), Scopus, CAPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Multidisciplinary Sciences) / CiteScore - Q1 (General Mathematics)

MDPI