

Special Issue

Asymmetric Molecules and Chirality Recognition

Message from the Guest Editors

Symmetry is a concept with immense implications in the way we interpret the universe and its properties.

Strikingly, asymmetric molecules carry tremendous importance in the way biological matter is structured.

The origin of biological homochirality is still an open debate and it eludes us in many aspects. However, an increasing number of experimental techniques are being developed that are able to capture and retrieve precise quantitative information on chiral molecules, either in isolation or in condensed phases. This endeavour is a crucial one, as chiral probes are essential for improving design and separation methods in an increasingly fast-paced scientific enterprise. The aim of this Special Issue is to bring together the old and the new in experimental methodologies for chiral analysis and separation, and with that stimulate a stronger synergy between complementary tools to recover chiral information, such as absolute configuration and/or enantiomeric excess.

Guest Editors

Dr. Cristóbal Pérez

Dr. Sérgio R. Domingos

Dr. Amanda Steber

Deadline for manuscript submissions

closed (30 April 2022)



Symmetry

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 5.3



mdpi.com/si/70332

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

[mdpi.com/journal/
symmetry](https://mdpi.com/journal/symmetry)





Symmetry

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 5.3



[mdpi.com/journal/
symmetry](https://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, CAPus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

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