Special Issue

Symmetry and Asymmetry: Computational and/or Experimental Studies on Bio-Organic Compounds

Message from the Guest Editor

Biologically active organic molecules such as natural products, drugs, and toxicants have always garnered the particular attention of scientists. To understand different phenomena that take place for very complex polyfunctional biomolecules, we can begin our investigations from the corresponding model compounds and then continue them for biomolecules. Selected derivatives can be examined in the gas phase and/or solution via various computational and/or experimental methods. Their crystal structures can also be studied. As such, significant explanations of the analyzed phenomena, i.e., analogy (symmetry) and/or discrepancy (asymmetry) in their structures and various physical, physicochemical, biochemical, or biological activities, can be derived. All researchers (physicians, chemists, and biochemists) are invited to submit original articles or reviews on the symmetry/asymmetry in structures or various properties of bio-organic molecules and/or their models.

Guest Editor

Prof. Dr. Ewa Raczyńska

Department of Chemistry, Warsaw University of Life Sciences, 02-787 Warsaw, Poland

Deadline for manuscript submissions

31 January 2026

Symmetry

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 5.3

mdpi.com/si/230415

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