

## Special Issue

# Synthetic and Natural Compounds with Symmetry/Asymmetry in Medicinal and Environmental Chemistry

### Message from the Guest Editors

In the era of Big Data, modeling techniques and bioinformatics approaches based on experimental and computational techniques have successfully highlighted the importance of applying computational methods in drug discovery and beyond. The computational approaches could be an effective strategy with low-costs and high efficiency for designing promising symmetric and asymmetric candidates for the treatment of life-threatening diseases or environmentally friendly compounds of public health interest. This Special Issue aims to provide an overview of recent advances in the field of medicinal and environmental chemistry. The submitted manuscripts should be focused on small molecules with symmetry/asymmetry having the potential for the treatment of current challenging diseases. Manuscripts focused on multidisciplinary topics on the design of small symmetrical/asymmetrical molecules as well as their applicability in environmental matters in the real-world context are also welcome. This Special Issue welcomes submissions from a wide range of disciplines, including chemistry, biology, medicine,

### Guest Editors

Dr. Cristina Nastasă

Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Iuliu Hațieganu University of Medicine and Pharmacy, 41 Victor Babeș Street, 400012 Cluj Napoca, Romania

Dr. Luminita Crisan

Computational Chemistry, "Coriolan Dragulescu" Institute of Chemistry, Romanian Academy, 24 Mihai Viteazu Ave., 300223 Timisoara, Romania

### Deadline for manuscript submissions

closed (30 April 2023)



## Symmetry

an Open Access Journal  
by MDPI

Impact Factor 2.2  
CiteScore 5.3



[mdpi.com/si/96568](https://mdpi.com/si/96568)

*Symmetry*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[symmetry@mdpi.com](mailto: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, CAPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

#### Journal Rank:

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