

## Special Issue

# Making and Breaking Symmetries in Mind and Life

### Message from the Guest Editors

In this diverse collection of articles, we will explore the roles of symmetry in complex adaptive systems across scales, ranging from the emergent dynamics of biophysical mechanisms to the shaping of underlying adaptations through ontogenic and phylogenetic processes. Across these theoretical and empirical explorations, we hope to demonstrate that the study of symmetries may help illuminate fundamental properties of living and intelligent systems. Towards this end, we will consider a broad range of perspectives on (a)symmetries, exploring the extent to which intersections may be found between seemingly disparate phenomena...

---

### Guest Editors

Dr. Adam Safron  
Prof. Dr. Michael Levin  
Prof. Dr. Adeel Razi  
Dr. Zahra Sheikhabahae  
Dr. Dalton Sakthivadivel  
Dr. Magnus Bein

---

### Deadline for manuscript submissions

closed (15 February 2022)



## Symmetry

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.2  
CiteScore 5.3



[mdpi.com/si/87176](https://mdpi.com/si/87176)

*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  
ICREA, 08010 Barcelona and 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)