

Special Issue

Symmetry/Asymmetry in Complex Systems: Dynamics, Trends and Challenges

Message from the Guest Editors

Symmetry has been found ubiquitously in nature. The symmetric features of mathematical and physical systems are of great importance for understanding the behavior of the systems themselves. The role of symmetry has also been shown to be fundamental in other different disciplines, such as biology and chemistry. More generally, in complex systems, symmetric properties assume even more relevance due to the difficulty, if not the impossibility, of obtaining a complete mathematical description of the phenomena involved. For this Special Issue, we invite authors to submit their works in which symmetry is an essential factor for the description, study, and analysis of complex systems in general or in a specific instance. Papers from all fields are welcome, particularly concerning biological and climatological applications. In particular, the following keywords should be considered: Symmetry and complex systems; symmetries in biological systems; symmetries in human behavior; symmetries in climate.

Guest Editors

Prof. Dr. David Alberto Salas-De-León

Laboratorio de Oceanografía Física, Instituto de Ciencias del Mar y Limnología, Universidad Nacional Autónoma de México, Ciudad de México, Mexico

Dr. Maria Adela Monreal-Gómez

Institute of Marine Sciences and Limnology, Universidad Nacional Autónoma de México, Ciudad de México, Mexico

Deadline for manuscript submissions

closed (10 April 2023)



Symmetry

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 5.3



mdpi.com/si/140854

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
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)