

Special Issue

Symmetry Methods and Applications in Quantum Optics and Quantum Information

Message from the Guest Editors

- Symmetry principles are fundamental to quantum science, shaping quantum states and governing entanglement and coherence. They reveal conservation laws, classify correlations, optimize state preparation, and protect quantum information, making them essential in both theory and experiment.
- This Special Issue explores symmetry-driven phenomena across quantum systems. Topics include coherence and correlation quantification in magnomechanical, optomechanical, and qubit platforms; magnomechanically induced transparency; photon-magnon-phonon blockades; representation theory; thermodynamics; quantum metrology; quantum geometry; and teleportation.
- We welcome submissions on using symmetry to design novel quantum protocols, uncover new entanglement forms, or deepen understanding of quantum resources. Contributions from researchers in quantum optics, quantum information, condensed matter, and related fields are encouraged.

Guest Editors

Dr. Mohamed Amazioug
Faculty of Sciences, Ibnou Zohr University, Agadir 80000, Morocco
Prof. Dr. Mohammed Daoud
Faculty of Sciences, University Ibn Tofail, Kénitra 14000, Morocco

Deadline for manuscript submissions

30 November 2026



Symmetry

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 5.3



mdpi.com/si/250322

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)