

Special Issue

Asymmetric and Symmetric Studies in Nanotechnology

Message from the Guest Editors

Chiral optics in nanotechnology presents a captivating realm where asymmetric and symmetric studies converge, unveiling a rich landscape of optical phenomena with profound implications. This Special Issue delves into the intricate interplay between asymmetric and symmetric properties in chiral nanomaterials and devices, elucidating their roles in manipulating light at the nanoscale. Asymmetric configurations imbue materials with unique optical properties, enabling applications in chiral sensing, imaging, and communication. Conversely, understanding the symmetric aspects facilitates the design of versatile chiral metamaterials and plasmonic structures with tailored optical responses. By synergizing asymmetry and symmetry in chiral optics, this Special Issue endeavors to advance our comprehension of light–matter interactions in nanoscale systems and pave the way for groundbreaking technological innovations.

Guest Editors

Dr. Yanming Sun

Dr. Chenghao Deng

Dr. Yongpeng Zhao

Dr. Heming Wei

Deadline for manuscript submissions

closed (31 January 2025)



Symmetry

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 5.3



mdpi.com/si/209348

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

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)