

## Special Issue

# Advances in Metallic Material and Symmetry/Asymmetry

### Message from the Guest Editors

Symmetry is a basic feature of metallic materials. The properties and behavior of materials used in engineering systems daily correlate with the symmetry concept, being determined by the symmetry features on many levels of microstructure, from point defects to texture. The intentional use of symmetrical and/or asymmetrical structures in mechanical engineering, materials science, solid materials, as well as in many other fields of application allows progress in the use of functional materials today. This Special Issue invites researchers to submit original research papers related to materials science, mechanical engineering, and various applications of metallic materials in crystalline and also noncrystalline state where theoretical or practical issues of symmetry are considered.

### Guest Editors

Dr. Andrey E. Medvedev

Institute of Physics of Advanced Materials, Ufa State Aviation Technical University, 12 Karl Marx st., 450097 Ufa, Russia

Dr. Lunyong Zhang

School of Materials Science and Engineering, Harbin Institute of Technology, Harbin 150001, China

### Deadline for manuscript submissions

closed (31 August 2023)



## Symmetry

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.2  
CiteScore 5.3



[mdpi.com/si/101357](https://mdpi.com/si/101357)

*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)