

# Special Issue

## Symmetry and Asymmetry Study in Object Detection

### Message from the Guest Editors

This Special Issue focuses on the critical role of symmetry and asymmetry in object detection, exploring how these geometric properties can enhance detection algorithms. Symmetry can simplify the identification and localization of objects by reducing computational complexity and improving accuracy. Conversely, understanding asymmetry is essential for detecting irregular or occluded objects. Contributions are invited with novel methodologies, theoretical analyses, and practical applications that leverage symmetry and asymmetry in object detection. Studies may include advancements in machine learning, computer vision, and real-world applications across various domains such as robotics, autonomous systems, and medical imaging.

### Guest Editors

Prof. Dr. Vladimir Brtko

Prof. Dr. Dragan Kukolj

Prof. Dr. Dragan M. Samardžija

Dr. Velibor Ilic

### Deadline for manuscript submissions

closed (31 December 2025)



# Symmetry

an Open Access Journal  
by MDPI

Impact Factor 2.2  
CiteScore 5.2



[mdpi.com/si/209898](https://mdpi.com/si/209898)

*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 5.2



[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)