Special Issue

Symmetries in Galaxies: Structure, Motion, and Evolution of Galaxies

Message from the Guest Editors

Galaxies are shaped by a complex interplay of processes, while also affecting those surroundings through energy and momentum input. These processes must be reconciled with cosmological models and interpreted within the framework of multi-wavelength observations across cosmic time. In the context of *Symmetry*, this Special Issue highlights how symmetry and its breaking play a central role in shaping galaxies. From the large-scale structure of the Universe to the internal morphologies of galaxies, symmetry governs the initial conditions of formation, while departures from symmetry drive evolutionary change. Exploring when and how these symmetries emerge, persist, or are broken provides critical insight into the underlying physics that governs galactic systems. We invite contributions that explore galaxy evolution from multiple angles, including, but not limited to, resolved stellar populations, star formation histories, gas dynamics, chemical enrichment, galaxy morphology and kinematics, numerical simulations, environmental effects, and insights from large-scale and multi-wavelength surveys.

Guest Editors

Dr. Zhuo Chen

Dr. Sandor Frey

Prof. Dr. Grant J. Mathews

Deadline for manuscript submissions

31 January 2026

Symmetry

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 5.3

mdpi.com/si/239755

Symmetry
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
symmetry@mdpi.com

mdpi.com/journal/symmetry

Symmetry

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 5.3

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)

MDPI