Special Issue

Symmetry and Metaheuristic Algorithms

Message from the Guest Editor

Dear Colleague, Metaheuristic algorithms have emerged as powerful and versatile tools in the field of optimization, addressing the increasing complexity of problems that traditional methods struggle to efficiently solve. These algorithms are designed to explore and exploit the search space in innovative ways to find optimal or near-optimal solutions. They offer practical and effective approaches for tackling optimization challenges across a myriad of domains, from engineering and logistics to healthcare and artificial intelligence. The growing need for these methods is evidence of their adaptability and effectiveness for solving complex real-world problems. In recent years, the application of metaheuristic algorithms has increased, underscoring their significance and versatility in various scientific areas. "Symmetry and Metaheuristic Algorithms" is a field of study that explores the relationship between symmetry and the design and optimization of metaheuristic algorithms. Metaheuristic algorithms are approximate solution methods used for optimization problems that cannot be easily solved using traditional optimization techniques...

Guest Editor

Dr. Erik V. Cuevas
Departamento de Eléctro-Fotónica, Universidad de Guadalajara, Campus CUCEI, Guadalajara 44430, Jalisco, Mexico

Deadline for manuscript submissions

31 October 2025

Symmetry

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 5.3

mdpi.com/si/200951

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