

Special Issue

Recent Development of Algorithms Optimization with Symmetry/Asymmetry

Message from the Guest Editors

This Special Issue, entitled "Recent Development of Algorithms Optimization with Symmetry/Asymmetry", explores cutting-edge advancements in the field of optimization algorithms, emphasizing the impact of both symmetrical and asymmetrical properties on computational efficiency and problem-solving capabilities. This Special Issue aims to compile a collection of research papers that examine novel methodologies and applications, highlighting how the exploitation of symmetrical properties could simplify problem-solving processes and enhance computational performance. Additionally, it addresses the unique challenges associated with asymmetric problems, in which conventional approaches may fall short. By exploring these dual aspects, this Special Issue aims to offer valuable insights into the development of robust and versatile optimization techniques, showcasing their practical implications across a range of scientific and engineering fields.

Guest Editors

Dr. Eleni Symeonaki

Dr. Konstantinos G. Arvanitis

Dr. Christos Drosos

Dr. Chrysanthos Maraveas

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/208732

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)