

Special Issue

Symmetry/Asymmetry in Evolutionary Algorithms

Message from the Guest Editors

We are delighted to announce the launch of a Special Issue on “Symmetry/Asymmetry in Evolutionary Algorithms”. In the last decade, computing power has increased as well as the demand for solving highly complex optimization problems where approximate optimization with bio-inspired techniques has been demonstrated as an excellent choice in decision-making processes. This Special Issue aims to explore the current impact and advances of evolutionary algorithms in addressing and solving complex real-world problems. We invite researchers from the fields of theoretical analysis of evolutionary algorithms, artificial intelligence, machine learning, soft computing, bio-inspired computing, evolutionary deep learning, and hybrid evolutionary approaches to contribute their innovative works. We encourage researchers to submit their original research articles, reviews, or perspectives that explore the role of symmetry and asymmetry in evolutionary algorithms. This Special Issue provides an opportunity to share novel insights, methodologies, and applications, shaping the future of the field.

Guest Editors

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Deadline for manuscript submissions

closed (28 February 2026)



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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

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