

Special Issue

Symmetry Applied in Operational Research

Message from the Guest Editor

This Special Issue explores the powerful role of symmetry in operational research, highlighting its applications in optimization, decision making, and problem solving across diverse domains. By leveraging symmetrical properties in mathematical modeling, algorithms, and system design, researchers can enhance efficiency, reduce complexity, and uncover elegant solutions to complex real-world challenges. Contributions span symmetric structures in network optimization, game theory, scheduling, logistics, and combinatorial problems, offering novel theoretical insights and practical advancements. Through interdisciplinary perspectives, this collection underscores how symmetry principles not only streamline computational processes but also reveal deeper connections between operational research and mathematics, physics, and engineering. We invite scholars and practitioners to engage with these cutting-edge developments, fostering innovation in symmetrical approaches to operational research...

Guest Editor

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Deadline for manuscript submissions

30 June 2026



Symmetry

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 5.3



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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.

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