

## Special Issue

# Exploring Symmetry and Asymmetry in Supply Chain Management: Frameworks, Applications and Innovations for Resilient and Sustainable Systems

### Message from the Guest Editors

This Special Issue, titled "Exploring Symmetry and Asymmetry in Supply Chain Management: Frameworks, Applications and Innovations for Resilient and Sustainable Systems", aims to investigate the role of symmetry and asymmetry in shaping modern supply chains. It seeks to uncover how balanced and unbalanced dynamics influence collaboration, decision making, resource distribution, and risk management across global supply networks. Authors are invited to contribute theoretical, methodological, and practical advancements that explore these concepts through mathematical modeling, optimization techniques, and real-world applications. Special emphasis will be placed on how symmetry principles enhance efficiency and resilience, while understanding asymmetry can unlock innovative strategies for overcoming disruptions and fostering sustainability. This Special Issue aspires to bridge the gap between theory and practice, offering actionable insights for resilient and sustainable supply chain systems, and providing a comprehensive platform to analyze how symmetry and asymmetry shape modern supply chains and to offer innovative solutions to real-world challenges.

### Guest Editors

Dr. Jabir Arif

Technologies and Industrial Services Laboratory, Higher School of Technology, Sidi Mohamed Ben Abdellah University, Fez 30 000, Morocco

Prof. Dr. Fouad Jawab

High School of Technology, Sidi Mohammed Ben Abdellah University, Fez 30000, Morocco

### Deadline for manuscript submissions

31 August 2025



## Symmetry

an Open Access Journal  
by MDPI

Impact Factor 2.2  
CiteScore 5.3



[mdpi.com/si/226083](https://mdpi.com/si/226083)

*Symmetry*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[symmetry@mdpi.com](mailto: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)