

Special Issue

Symmetry/Asymmetry in Sustainable Transport and Logistics

Message from the Guest Editors

As global interest in sustainable development deepens, the fields of transport and logistics undergo critical transformations to meet new environmental standards and societal demands. This Special Issue is dedicated to exploring how the concepts of symmetry and asymmetry enhance our understanding and innovation within sustainable transport and logistics. We aim to delve into innovative mathematical and analytical methods that address new challenges in these fields, emphasizing the roles of symmetric and asymmetric models and their impact on system efficiencies and sustainability. We welcome researchers and industry practitioners to contribute to this Special Issue with original research papers and review articles that will enrich our comprehension of the complex interplays between transportation, logistics, and sustainable practices. Topics of interest include, but are not limited to, the following:

- Symmetry/asymmetry;
- Sustainable transportation;
- Green logistics;
- Mathematical optimization;
- Eco-friendly routing;
- Sustainable supply chain;
- Renewable energy in transport;
- Advanced analytics;
- Machine learning in logistics;
- Network design and resilience.

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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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