

Special Issue

Symmetry Studies in Heat and Mass Transfer

Message from the Guest Editors

This Special Issue aims to consolidate cutting-edge research in the field of heat and mass transfer, focusing on the fundamental role of symmetry in transport phenomena. We seek to bring together theoretical insights, computational advancements, and experimental findings that elucidate the symmetrical aspects of transfer processes and their practical applications in engineering systems. The scope encompasses a wide range of topics, from molecular-level interactions to macroscale industrial applications. We particularly encourage contributions that explore novel approaches to enhance heat and mass transfer efficiency, develop innovative analytical methods, or uncover patterns in complex transfer systems. This Special Issue welcomes high-quality, original research papers that advance our understanding of symmetry in heat and mass transfer processes and their engineering implications.

Guest Editors

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Deadline for manuscript submissions

closed (30 June 2025)



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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