

Special Issue

Symmetry and Renewable Energy

Message from the Guest Editors

This Special Issue aims to shed light on the potential that the study of symmetry has in power grids and renewable energy systems. Symmetry and renewable energy is a field of basic research, which covers quite a lot of areas, such as materials science, machine design, physics, and, of course, mechanics. With the rapid development of battery technology, electric machinery, and intelligent control areas, many advanced technologies have been applied to the field of mechanical engineering, such as rapid prototyping, numerical simulations, data-driven systems, evolutionary computation, and deep learning. Symmetry is a critical element in symmetry and renewable energy, e.g., vehicle devices, heavy machinery, and engineering machinery, and has been exploited in the design and optimization processes of materials, structures, and equipment. In the opinion of the , there are many theories and applications of advanced technologies in symmetry and renewable energy that also require the theory of symmetry...

Guest Editors

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Deadline for manuscript submissions

closed (31 July 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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