

Special Issue

Applications Based on Symmetry in Nanomaterials

Message from the Guest Editor

- We are pleased to announce that *Symmetry* will feature a Special Issue on “Applications Based on Symmetry in Nanomaterials”. This Special Issue highlights the fundamental and applied significance of symmetry and asymmetry in the development of advanced nanomaterials. Symmetry plays a crucial role in influencing the physical, chemical, electronic, and optical properties of nanostructures, making it a powerful tool for the design and optimization of materials across various engineering and scientific disciplines.
- We invite original research articles and comprehensive reviews that demonstrate how symmetry concepts contribute to breakthroughs in nanotechnology. Topics of interest include, but are not limited to, symmetry in self-assembly, crystallographic symmetry in nanostructures, and nanoelectronics.
- Submissions should offer strong theoretical modeling, experimental validation, or a combination of both, with a clear focus on scientific novelty and practical relevance. Interdisciplinary studies that connect symmetry with other areas, such as materials engineering, molecular design, or device fabrication are especially encouraged...

Guest Editor

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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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