Special Issue

Advanced Studies in Nanocomposite with Symmetry/Asymmetry

Message from the Guest Editor

Nanocomposites, formed by combining a wide range of nanoscale materials, such as nanocarbons, metal oxides, and polymers, have received significant attention for their versatile applications in energy storage, electronics, catalysis, and beyond. The unique properties of these materials can be finely tuned by manipulating their symmetry or asymmetry, enabling the optimization of their thermal, mechanical, electrical, and electrochemical properties. These tailored properties open new opportunities for novel functionalities and enhanced efficiencies in various applications. This Special Issue aims to highlight the latest advancements in the fabrication, characterization, and application of nanocomposites with symmetry/asymmetry, providing a comprehensive view of the impact of symmetry and asymmetry in nanocomposite design.

Guest Editor

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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

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