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Application of Symmetric Structures in Nanomaterials

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Message from the Guest Editors

Throughout history, human beings have developed new tools to resolve various problems that arise on a day-to-day basis. Concurrently, a series of materials have been obtained at a very small size, such as nanomaterials.

Among the most outstanding characteristics of the nanomaterials is their great range of structures, outstanding conductivity, high dielectric constants, and their physical composition, which is formed by a solid state at room temperature. Consequently, they have great electrical, optical, thermal, and magnetic properties that give them great advantages over other materials and make them very attractive for different technological applications. This Special Issue on **"Application of Symmetric Structures in Nanomaterials"** will update readers on recent advances in nanomaterials, their synthesis and characterization, along with their chemical, microstructural, and optical measurements.

The scientific community is invited to contribute to the development of studies related to nanometric structures, and to learn more about novel synthesis methods, improvements in their properties, and cutting-edge applications.

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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.

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