



Innovative Strategies and Artificial Intelligence Technologies in Nanomaterials

Guest Editor:

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Message from the Guest Editor

The rapid pace of modern life encourages the development of novel facilities and instruments. Researchers have been inspired by the progress of newly developed techniques. The emergence of material chemistry, especially at the nanoscale, has attracted the attention of many investigators. The advanced science and technology of this topic should suit the necessity of universal applications, including the fields of food, environment, energy, and so on. This Special Issue is aimed at providing selected contributions on the advances in the construction of models and methods with the help of artificial intelligence, as well as the discovery of practical implements in nanoscale material chemistry. These interdisciplinary applications can contribute to downstream industrial applications, if necessary.

Potential topics include, but are not limited to:

- Innovative strategies for nanomaterials;
- Nanomaterials with artificial intelligence technologies;
- Progress in the design of nanomaterials;
- Discovery of nanomaterials as implements;
- Novel material program construction;
- Nanomaterials in energy and the environment.





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Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal-organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

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