



Novel Nanomaterials and Nanostructures

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Message from the Guest Editors

Dear Colleagues,

The rise of nanomaterials and nanostructures is fueled by their prediction and discovery using computational and experimental approaches, revealing their wide structural and compositional diversity. The invention of unexplored nanomaterials and nanostructures and the crystal structure modification of pre-existing ones have become the most rapidly developing research directions in modern sciences and industrial projects. This poses new challenges in the development and application of novel nanostructured materials.

This Special Issue is intended for the presentation of new theoretical and experimental results related to the design, chemistry, functional properties and application of novel nanomaterials and nanostructures. Therefore, the overall aim of this Special Issue is to publish high-quality, original research papers in the overlapping fields of:

- Nanomaterials and nanotechnology
- Computational materials science
- Materials synthesis and manufacturing
- Engineering applications
- Energy materials
- Materials characterization
- Materials degradation
- Materials chemistry
- Nanostructured metals and alloys





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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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