

## Special Issue

# Recent Advances in Functional Nanomaterials: Discovery, Characterization and Applications

### Message from the Guest Editors

Over the past fifteen years, the growing interest in novel functional nanomaterials and nanostructures in science and engineering has led to the prediction and discovery of countless number of nanostructures with unique topological, opto-electronic, magnetic, and mechanical properties. Recently, experimentally driven high-precision computational studies have become an effective tool in the prediction and characterization of unknown nanostructures. This symbiosis of computational and experimental approaches has led to the rapid development of unexplored nanostructures and their implementation into industrial projects. The goal of this Special Issue is to provide a platform for the exchange of recent advances in the theoretical and experimental design and application of novel functional nanomaterials and nanostructures. This Issue aims to collect high-quality and original research, review, and perspective articles reporting theoretical and experimental results related to the following topics:

- Nanomaterials and nanotechnology;
- Computational materials science;
- Functional nanomaterials;
- Materials engineering;
- Materials chemistry;
- Energy materials.

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### Guest Editors

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### Deadline for manuscript submissions

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## Applied Sciences

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## About the Journal

### 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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### Editor-in-Chief

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