# Special Issue

# Development and Application of Functionalized Nanostructures and Nanomaterials

# Message from the Guest Editor

This Special Issue aims to collect contributions regarding the development of various functional properties of nano(materials/structures), their functionalization, and various functionalization techniques. We are particularly interested in the application of functionalized nano(materials/structures) in various areas of research and industry, such as the generation of solar power, thermal fuels, and enhanced thermal management, electrochemical energy storage, drug delivery, and biological nanosensors. We are therefore interested in articles that describe the design and fabrication of nano(materials/structures), their functionalization principles and techniques. The scope of this Special Issue includes, but is not limited to, the following topics:

- Design and fabrication of nano(materials/structures) with particular functions;
- Functionalization via fabrication route;
- Functionalization via surface treatment:
- Surface modification with molecular ligands;
- Understanding functionalization mechanisms;
- The predictive modelling of functional properties;
- The application of functionalized nano(materials/structures).

## **Guest Editor**

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# Deadline for manuscript submissions

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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.

## **Editor-in-Chief**

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