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Advances in Magnetic Nanomaterials and Nanostructures

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Deadline for manuscript submissions:
closed (20 December 2021)

Message from the Guest Editors

Magnetic nanomaterials, in which non-bulk magnetic properties emerge owing to low dimension, are a class of materials with huge application potential in several areas. Continuous advances in the synthesis techniques of magnetic nanoparticles, thin films, nanotubes/nanowires, and nanodots with controlled size, morphology, chemical composition, and surface chemistry are making the tailoring of the magnetic properties of high-performance magnetic materials and devices more and more effective, giving rise to technological applications in different fields such as nanomedicine (imaging, drug delivery, therapeutic hyperthermia, sensors), catalysis, high-density magnetic storage, spintronics, and thermoelectric systems for energy harvesting, to name just a few.

This Special Issue of Applied Sciences, “Advances in Magnetic Nanomaterials and Nanostructures”, will be dedicated to gathering recent results in the synthesis, fabrication, and characterization of nanostructured magnetic materials and devices with potential applications in the aforementioned research fields.

The Special Issue Link:

https://www.mdpi.com/journal/applsci/special_issues/Magnetic_Nano_Materials

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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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