

Special Issue

Functional Magnetic Materials and Devices: Recent Advances and Applications

Message from the Guest Editors

The Special Issue will encompass all areas of functional magnetic materials, including magnetic materials, diluted magnetic semiconductors, electromagnetic radiation-absorbing magnetic materials, micromagnetic simulation, and ferromagnetic resonance. It will include topics about the properties, characterization, devices, instrumentation, and applications of magnetic materials. Topics such as magnetic materials applied to human and biological science are welcome. Magnetic materials applied to sensors, electronic devices, and other areas are the focus of the present Special Issue, and studies about core@shell nanoparticles, nanometric films, and nanowires are some examples of magnetic systems. We invite you to submit original research articles that belong to any of the following categories: Magnetic properties; Hard magnetic materials; Soft magnetic materials; Magnetocaloric materials; Magnetic nanoparticles; Magnetic materials in data storage; Magnetization reversal dynamics; Micromagnetic models; Smart composite materials; Magnetic nanostructures; Machine learning for property predictions in materials; Magnetic biosensors.

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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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