

Special Issue

Functional Magnetic Materials and Devices: Recent Advances and Emerging Applications

Message from the Guest Editors

This Special Issue will encompass all areas of functional magnetic materials, from their properties and characterization to their devices, instrumentation, and applications. Topics of interest include magnetic systems such as nanometric films, and nanowires, magnetic materials, diluted magnetic semiconductors, electromagnetic radiation-absorbing magnetic materials, micromagnetic simulation, ferromagnetic resonance, and the application of magnetic materials to human and biological science, sensors, electronic devices, and other areas. 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.

Guest Editors

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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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