magnetochemistry

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Magnetic Materials, Thin Films and Nanostructures

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Message from the Guest Editors

Dear Colleagues,

In this Special Issue, the aim is to cover all relevant aspects of chemical and physical processes of the production and characterization of magnetic materials in bulk, thin films, nanostructures and/or nanocomposites, as well as modeling aspects involving such structures.

Accordingly, this Special Issue welcomes original research and review manuscripts on the challenges and trends covering fundamental and experimental research—with special focus on the design, synthesis, and characterization of any type of magnetic material and the study of its structure/property relationships. We also welcome manuscripts on the development of new experimental concepts, to the transfer, chemical transformation, high-resolution patterning of advanced thin films and nanomaterials, to the design and fabrication of devices.

Keywords:

- Engineering/processing of magnetic materials, nanomaterials/nanostructures and thin films
- and characterization of magnetic materials, nanomaterials/nanostructures and thin films
- Theoretical models and calculations of magnetic materials
- Applications of magnetic materials