

Special Issue

Electro-Magnetic Phenomena Applications in Functional Magnetic Materials

Message from the Guest Editors

The current Special Issue is interested in functional magnetic materials and their relevant electro-magnetic properties, and all scientists are welcome to share their valuable results on the physical, chemical, structural, and magnetic properties of these materials and their applications related to this topic. Topics to be covered include, but are not limited to:

- Additive manufactured magnets: 3D printing of soft and hard magnets and the correlation between the relevant functionality and microstructure.
- Magnetic refrigeration: magnetocaloric effect of various magnetic systems.
- Spin coupling and the exchange bias effect in inhomogeneous magnetic systems.
- Gene/molecule delivery via magnetic nanoparticle plants
- Magnetic nanomaterials', nanopesticides' and nanofertilizers' applications in plant disease control and plant health improvement.

Keywords:

- additive manufacturing
- magnetic refrigeration
- magnetoresistive properties
- magnetic nanoparticles

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closed (30 November 2021)



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Message from the Editor-in-Chief

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2025).