

Special Issue

Soft Magnetic Materials and Their Applications

Message from the Guest Editor

Research topics of interest for this Special Issue include but are not limited to the following:

- Fundamental theories of soft magnetism: domain theory, magnetization dynamics, hysteresis, and core loss mechanisms.
- The design and synthesis of soft magnetic alloys, ceramics, and composites.
- The theoretical and computational modeling of magnetic behavior, losses, and permeability.
- Magnetic and structural characterization techniques.
- Low-loss and high-frequency magnetic materials for power electronics and wireless systems.
- Thin film and nanostructured soft magnetic materials for integrated microdevices.
- Magnetic domain behavior and magnetization dynamics.
- The additive manufacturing, sputtering, and novel processing of soft magnetic components.
- Applications in transformers, inductors, energy storage, EMI shielding, and RF/microwave devices.

We invite researchers from both academia and industry to contribute to this Special Issue, and we look forward to your valuable submissions.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

New phenomena and technological applications of magnetism are fascinating topics. The *Magnetism* journal aims to establish an international forum where both basic and applied developments in this field can be shared, on a budget-level peer-review publishing platform with other experts and non-specialists. The journal is inviting contributions from authors who wish to share their original work in any field related within this area, including fundamental mechanisms, theoretical models, novel magnetic materials and devices, magnetic nanostructures, magnetic recording, biomagnetism, etc. The journal will facilitate the author's process of submission and the peerreview steps for a high-quality and timely publication in order to reach the widest audience.

Editor-in-Chief

Dr. Gerardo F. Goya

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