



## Advances in Amorphous and Nanocrystalline Magnetic Materials

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### Message from the Guest Editor

Dear Colleagues,

This Special Issue aims to provide a valuable forum where scientists in different fields will be able to share their most recent advances made in a magnetic material field obtained in the amorphous and nanocrystalline phases.

Topics to be covered include but are not limited to:

- Magnetization process; hysteresis loop, anisotropy;
- Description of amorphous materials such as metallic glasses;
- Glass forming ability; crystallization;
- Calorimetry and stability of amorphous materials;
- Influence of alloy addition on the structure and magnetic, thermal and mechanical properties of Fe–Co-based alloys;
- Magnetostrictive materials;
- Selecting the parameters of casting and mechanical alloying process;
- Structure and properties of amorphous and nanocrystalline alloys;
- Intrinsic properties of permanent magnetic materials;
- Sintered Nd–Fe–B-based magnets;
- Nanoscale hard magnetism;
- Magnetic particles in biomedical applications.

Keywords: Amorphous materials; Nanostructured materials; Casting method; Mechanical alloying; Heat treatment; Soft and Hard magnetic materials

