



## Soft and Hard Magnetic Nano-Composite and Permanent Magnet

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submissions:

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### Message from the Guest Editors

Dear Colleagues,

This Special Issue will cover the synthesis, characterization and magnetic study of hard-soft magnetic composite materials in the power form. The Special Issue also focusses on rare-earth based intermetallic compounds and their application in the area of magnets that are needed in high temperature applications.

This Special Issue will include, but is not limited to, the following topic:

M-types hexaferrite magnetic composite materials, hard and soft magnetic nanocomposite;

rare-earth based intermetallic compounds to improve their Curie temperature and magnetic anisotropy and Mossbauer study of the thus prepared alloys and their applications;

magnetic nanomaterials and nanomaterials, magnetic nanocomposites for drug delivery, hard coating materials and their applications.

### Keywords:

- soft magnetic materials
- M-type hexaferrites
- magnetic nanocomposite
- intermetallic
- X-ray diffraction
- ferrite-powders

