



## Superconductivity, Magnetism and Electromagnetic Properties of Materials

Guest Editors:

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Deadline for manuscript  
submissions:

**closed (31 December 2020)**

### Message from the Guest Editors

Dear Colleagues,

The major aim of this Special Issue is to bring researchers and scientists around the world to share their research and important findings on the functional properties of magnetic and superconducting materials and their application in environmental and biomedical energy.

Topics to be covered include but are not limited to:

- Superconductivity and magneto-transport properties;
- Magnetic phase diagram and interplay between superconductivity and magnetism in various types of superconductors;
- Doping-induced superconductors and their magnetic and electronic properties;
- Design, synthesis, and magnetic properties of nanoparticles;
- Magnetoresistance measurements, temperature dependence, and magnetic anisotropy;
- Correlation between magnetic properties and crystalline structure;
- Chemical modification of nanomagnetism;
- Diluted magnetic semiconductors;
- Enhanced permanent magnetic properties via grain boundary engineering.

