



## Sustainable Development Based on Magnetochemistry

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### Message from the Guest Editors

Dear Colleagues,

The role of magnetic devices in delivering new solutions for sustainable development has evolved rapidly in recent years. Several aspects make magnetochemistry an attractive subject of research as many of magnetic and spintronic technologies derive from an interplay of processing, microstructure, and properties of magnetic materials on their initial form to promote high-quality devices for several applications, such as magnetic sensing, air-conditioning, power generation, transportation, and telecommunications. In this Special Issue, we will publish articles on the role of materials chemistry and engineering to enhance the correlated physical properties of:

- Soft magnetic materials;
- Hard magnetic, rare-earth free magnetic materials;
- Spintronics materials, graphene spintronics;
- Magnetic recording materials;
- Magnetocaloric and magnetoelectronic materials;
- Piezomagnetic materials;
- Magnetic sensors, power-electronics-based magnetic materials;
- High-frequency and microwave absorption materials;
- New functional magnetic materials and applications.

# Special Issue