

## Special Issue

# Physics and Application of Superconductivity (2nd Edition)

### Message from the Guest Editors

Superconductors have already been applied in a number of ways, from high-magnetic-field sources to electronic devices, and they have had a substantial impact on everyday life. However, they still hold immense promise for future applications. This Special Issue will focus on the various classes of superconducting materials, such as low-temperature, high-temperature, and iron-based superconductors, together with their structural, electrical, and magnetic characterization, as well as theoretical modeling. It will also address the processing of the materials into various shapes and configurations needed for characterization and applications, as well as material design principles. Regular articles, review papers, or short communications are welcome. The scope of this Special Issue includes, but is not limited to, the following topics:

- Thin films;
- Multilayers;
- Tunneling spectroscopy;
- Electrical measurements;
- Magnetic measurements;
- Structural characterization;
- Devices;
- Analytical and numerical models.

### Guest Editors

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### Deadline for manuscript submissions

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## Materials

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### Message from the Editor-in-Chief

*Materials* (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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### Editor-in-Chief

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