# Special Issue

# Applied Superconductivity: Material, Design, and Application

## Message from the Guest Editors

Recent advancements in superconducting materials and technologies have opened new pathways for innovation across a variety of applications. Breakthroughs in the fabrication of coated conductors, including enhanced production techniques and performance optimization, are driving progress in high-efficiency power devices and advanced electromagnetic systems. At the same time, the development of superconducting devices—ranging from power transmission cables to cutting-edge magnet systems—demands robust approaches to material characterization and design. Emerging cooling solutions, such as hydrogen-based cryogenics, further expand the possibilities for implementing superconductors in practical, large-scale applications.

This Special Issue aims to showcase the latest research in applied superconductivity, with a broad focus on materials, device design, and engineering solutions. In this Special Issue, original research articles and reviews are welcome.

### Guest Editors

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## Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

## Editor-in-Chief

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