

## Special Issue

# Advanced Materials for Electrical Engineering: Fabrication, Testing and Applications

### Message from the Guest Editors

The rapid development of electrical engineering systems requires continuous innovation in advanced materials to address challenges in energy conversion, power transmission, and equipment miniaturization. Piezoelectric ceramics, insulating paper, insulating oil, and ferromagnetic materials form the backbone of modern electrical infrastructure, but their performance limitations under extreme working conditions remain a key issue. This Special Issue aims to bridge the gap between basic research and industrial applications by emphasizing breakthroughs in manufacturing technology and advanced testing methods. We sincerely invite you to contribute to exploring new manufacturing technologies, cutting-edge testing protocols, and their applications. The submitted materials should emphasize scalability, environmental impact, and interdisciplinary integration. Both basic research and industry-specific case studies are welcome. We look forward to your submissions.

### Guest Editors

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### Deadline for manuscript submissions

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## Materials

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## About the Journal

### 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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