# Special Issue

# Advanced Composite Materials for Next-Generation Electronic Devices

## Message from the Guest Editors

Advanced composite materials have made remarkable progress over the past decade, demonstrating immense potential in fields where traditional materials fall short, such as flexible electronics, energy storage, sensing, and high-performance computing. To meet the diverse requirements of modern applications, a wide range of advanced composite materials have been developed. This Special Issue aims to compile high-quality research papers short communications and review articles focusing on the following topics: **Modeling, Simulation, and Design of ME Composites and Devices Reliability Analysis of Electronic Packaging System Optimization Design of Advanced Composite Materials and Devices Advanced Manufacturing Processes**. **Characterization and Applications** Through this Special Issue, we hope to identify key milestones in the future research of advanced composite materials for next-generation electronic devices, driving innovation and development in this field.

## Guest Editors

Dr. Yang Shi

Prof. Dr. Junjie Ye

Dr. Yongkun Wang

## Deadline for manuscript submissions

20 November 2025

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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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