

## Special Issue

# Biomaterials Modification, Characterization and Applications

### Message from the Guest Editor

Biomaterials play crucial roles in various fields, including medicine, tissue engineering, and drug delivery, due to their ability to interact with biological systems. The modification, characterization, and application of biomaterials are key areas of research for improving their performances and expanding their range of uses. Overall, the field of biomaterials continues to evolve through advancements in their modification, characterization, and innovative application, enabling progress in healthcare, biotechnology, and materials science. This Special Issue will cover current research progress on developing novel biomaterials with enhanced properties, improving characterization techniques to better understand their behavior in complex environments, and exploring new applications in emerging fields such as bioelectronics and personalized medicine.

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### Guest Editor

Prof. Dr. Wanjun Liu  
College of Textiles, Donghua University, Shanghai 201620, China

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### Deadline for manuscript submissions

20 October 2025



## 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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### Editor-in-Chief

Prof. Dr. Maryam Tabrizian

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