

## Special Issue

# Glass Materials: Functional Applications in the Field of Biology

### Message from the Guest Editors

This Special Issue invites original research, reviews, and case studies that explore the design, development, characterization, and implementation of glass-based materials in biological environments. Key topics include bioactive glasses for tissue engineering, especially in bone, skin and nerve regeneration, as well as glass-ceramics for implantable devices in dental, orthopedic, and cardiovascular applications. We also encourage submissions on the synthesis and characterization of glasses for applications such as biosensors and drug delivery systems. This Special Issue also acts as a platform to share cutting-edge research and recent advancements in the field of bioactive glasses, including the development of new glass compositions, the use of additive manufacturing for creating glass scaffolds, and the functionalization of glass with therapeutic ions to enhance biological performance. We invite you to submit your manuscript to the Special Issue Glass Materials: Functional Applications in the Field of Biology. Contributions in the form of full research articles and comprehensive reviews covering all aspects of glass materials for biomedical applications are highly encouraged.

### Guest Editors

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### Deadline for manuscript submissions

20 August 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

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