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Glass Materials: Functional Applications in the Field of Biology

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Deadline for manuscript submissions:
20 August 2025

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.

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Message from the Editor-in-Chief

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