

Special Issue

Next-Generation Glass-Ceramics Materials for Energy, Environment, and Biomedical Applications

Message from the Guest Editors

In recent decades, the growing demand for sustainable materials has driven a transformative evolution in the field of glass and glass-ceramics, aimed at addressing critical needs in energy solutions, environmental remediation, and advanced biomedical applications such as bone implants and dental materials. This Special Issue aims to spotlight the latest innovations in the design, synthesis, and application of advanced glass-ceramics tailored for multifunctional roles across energy storage and conversion, environmental protection, and healthcare.

This issue invites contributions that explore novel compositions, processing techniques, and characterization methods, as well as theoretical and computational insights into structure–property relationships. We particularly welcome interdisciplinary studies that bridge materials science, chemistry, physics, and biomedical engineering.

As , we encourage researchers, scientists, and industrial experts to share their cutting-edge findings and perspectives, fostering a collaborative platform to accelerate the development of next-generation glass-ceramic materials for a more sustainable and healthier future.

Guest Editors

Dr. Deepak Patil

FunGlass—Centre for Functional and Surface Functionalized Glass,
Alexander Dubček University of Trenčín, Trenčín, Slovakia

Dr. Marina Konuhova

Institute of Solid State Physics, University of Latvia, 8 Kengaraga, LV-1063 Riga, Latvia

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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