

Special Issue

Functional Glasses and Their Composites: Recent Advances and Applications

Message from the Guest Editor

This Special Issue is a platform to present new advancements in glass technology. We focus on testing the functional properties of glasses and their composites. We believe that glass, due to a combination of its properties, is a unique material that has a wide array of applications. Glass is difficult to replace in some cases due to its transparency, thermal and chemical resistance, and mechanical strength. These properties can be modified over a wide range because glasses can be incorporated in various glass-forming systems with variable compositions. This area of interest is extended to glass composites, in which glass can act as a functional element or a filler/host. There are no limits on research topics. However, the current advancements in glass research are related to energy technology (renewable energy systems, glassy electrolytes), glass recycling (i.e., photovoltaic panels), biotechnology (bioactive and biocompatible glasses), optoelectronics (laser matrix, amplifiers, optical fibers), the detection and protection of high-energy radiation (immobilization of hazardous waste, dosimeters), unconventional methods of obtaining the amorphous phase, etc.

Guest Editor

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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.

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