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Novel Optical and Photonic Glass-Based Materials: Synthesis, Characterization and Application

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Message from the Guest Editors

Dear Colleagues,

Glass has for decades been a key material, suitable for the creation of a diverse range of passive and active devices, especially for photonics applications, and it has become of great interest for a wide range of applications related to telecommunications, light detection and ranging (LIDAR), solar panels, and spectroscopy, just to cite a few. Research has been focused on the development of new optical glass materials with new functionalities.

The aim of this Special Issue is to highlight the latest developments in optical (active and passive) glasses and glass ceramics, and especially to advance the fundamental understanding of the relationship between material chemistry (both composition and structure) and optical, luminescence properties. Topics of interest also include the latest research on advanced characterization of material properties, new processing methods for the fabrication of glasses and glass ceramics, and advances in glass fibers and films.

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Special Issue



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Message from the Editor-in-Chief

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