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Glass-Ceramics: Structural Investigations and Luminescence Properties

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Deadline for manuscript submissions:

closed (31 December 2021)

Message from the Guest Editors

Glass-ceramics are actually under intense investigations as they present many promising advantages concerning the corresponding glasses by enhancing their properties (for example, chemical, mechanical, and optical) and allowing combinations of different properties inherent to the existence of at least one crystal phase in a glassy matrix. In this Special Issue, different aspects of glass-ceramics elaboration using classical (nucleation and growth) and specific crystallization processing (as spark plasma sintering (SPS) or microwave heating) methods will be detailed. Their crystallization behavior from the glass, their structural characterization, their physical (including thermal, mechanical, and optical) properties and consequently the evidence of the relationships between their structure and their properties (including optical ones as luminescence), will be discussed. It is our pleasure to invite you to submit a manuscript for this Special Issue. Full papers, communications, and reviews are all welcome.













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Message from the Editor-in-Chief

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