

Special Issue

Glass-Ceramic Functional Materials: Synthesis and Applications

Message from the Guest Editors

We are pleased to invite you to contribute to this Special Issue of *Molecules*. This Special Issue is devoted to various synthesis, processing, and characterization methods of different types of nanostructured glass-ceramic systems, including materials with linear and non-linear optical properties, functional materials for energy, coherent and non-coherent optical sources, photocatalytic materials with a special interest in water splitting, glass-ceramics with interesting electrical and magnetic properties, modelling of photonic glass-ceramics, bioactive glass-ceramics, and others. In this Special Issue, we will provide the state-of-the-art technological advances and the latest and novel research in the synthesis, processing, and characterization used to analyse the chemical and physical properties of these systems, focussing on the innovative applications of nanostructured glass-ceramics. The study of different physical phenomena, and the relationship between structural, mechanical, and the optical, dielectric, and magnetic properties of glass-ceramics are also welcome.

Guest Editors

Dr. José Joaquín Velázquez García

Dr. Patricia Haro González

Dr. Leopoldo Martín

Prof. Dr. Jakrapong Kaewkhao

Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 30th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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