

Special Issue

Ceramics and Glasses: Optical Properties and Applications

Message from the Guest Editor

The objective of this Special Issue is to learn about the latest developments in the optical properties of ceramic and glass materials. Due to new technological demands, we must search for the novel properties of these types of materials. Additionally, the synthesis and processing of new materials with properties of interest are also of special relevance. These materials will be used in new technological applications in the fields of renewable energy, the digitalization of industrial systems (industry 4.0) and artificial intelligence. This Special Issue will publish high-quality, original research papers, in the overlapping fields of:

- Ceramics;
- Glasses;
- Vitroceramics;
- The synthesis and processing of materials;
- Characterization techniques;
- Optical properties;
- Nanomaterials;
- Thin layers;
- Nonlinear optical properties;
- Optoelectronic properties;
- Photovoltaic materials.

Keywords: ceramic materials and glasses; optical and optoelectronic properties; glass ceramics; synthesis and processing; thin films; nanomaterials; characterization techniques; photovoltaics; nonlinear optical properties

Guest Editor

Prof. Dr. Juan B. Carda Castelló

Department of Inorganic and Organic Chemistry, Universitat Jaume I, 12071 Castellon de la Plana, Spain

Deadline for manuscript submissions

closed (20 September 2024)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.3



mdpi.com/si/184041

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

[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.3



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



About the Journal

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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)