

## Special Issue

# Glasses and Ceramics: Optical Properties and Optical Technologies

### Message from the Guest Editor

The role of glasses in current science and technology, and especially in optics and photonics, can hardly be exaggerated. Unexcelled transparency and reasonable strength and chemical durability together with low cost, excellent manufacturability, and ability to finely tune physical properties by the continuous variation of chemical compositions make glasses a type of materials of the utmost importance in optical technologies. Glasses can be an excellent host for activators of luminescence and are a unique media allowing for optical fiber production. Hence, they can be regarded as a key element of fiber-optical telecommunication systems and Internet which are essential for the whole of modern civilization. It is my pleasure to invite you to contribute to the Special Issue “Glasses and Ceramics: Optical Properties and Optical Technologies”. We welcome the submission of full papers, communications, and reviews related to the optical properties of vitreous, ceramic, and glass-ceramic materials, and optical technologies based on these materials or related to their production, characterization, or processing.

### Guest Editor

Dr. Sergey V. Lotarev

Department of Glass and Glass-Ceramics, Mendeleev University of Chemical Technology, Miusskaya Sq. 9, 125047 Moscow, Russia

### Deadline for manuscript submissions

closed (20 August 2022)



## Materials

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*Materials*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[materials@mdpi.com](mailto:materials@mdpi.com)

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## About the Journal

### Message from the Editor-in-Chief

*Materials* (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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### Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

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