

Special Issue

Characterization of Bioactive Glasses by Computational and Experimental Methods

Message from the Guest Editors

The field of biomaterials focuses on bioactive components that activate immune cells or different proteins in the body. Bioactive glasses are currently studied as promising biomaterials applicable in the field of restorative materials, mineralizing agents, implant coatings, pulp-capping materials, root canal treatments, and other biomedical uses due to their potential to mimic the composition of natural hard tissues. Thus, a fundamental understanding of the composition, structure, and properties of bioactive glasses is of major importance for their further development and application. Against this backdrop, studies utilizing experimental, computational, or combined approaches to better understand the behavior of bioactive glasses and to explore novel application areas in the field of dentistry are welcome in the present Special Issue.

Guest Editors

Prof. Dr. Diana Dudea

Department of Prosthetic Dentistry and Dental Materials, Iuliu Hatieganu University of Medicine and Pharmacy (UMFIIH), 400006 Cluj-Napoca, Romania

Dr. Bernadette Kerekes-Mathe

Department of Teeth and Dental Arches Morphology, Faculty of Dentistry, George Emil Palade University of Medicine, Pharmacy, Science, and Technology of Targu Mures, 38 Gheorghe Marinescu Str., 540142 Targu Mures, Romania

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

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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.

Editors-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

Prof. Dr. Yuguang Ma

State Key Laboratory of Luminescent Materials and Devices, South China University of Technology, Guangzhou 510640, China

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