



an Open Access Journal by MDPI

Magnetic, Electrical and Structural Phenomena in Multifunctional Metal Oxides – Novel Insights

Guest Editors:

Prof. Dr. Damir Pajić

Department of Physics, Faculty of Science, University of Zagreb, Bijenička c. 32, 10000 Zagreb, Croatia

Dr. Maria Čebela

Laboratory for Theoretical Investigations of Materials (L-TIM), Center of Excellence "CEXTREME LAB", Department of Materials Science (170), "Vinca" Institute of Nuclear Sciences, University of Belgrade, National Institute of the Republic of Serbia, 11000 Belgrade, Serbia

Deadline for manuscript submissions:
closed (20 February 2022)

Message from the Guest Editors

Metal oxides exhibit interesting phenomena in all areas of scientific research. In physics and chemistry, they are a fertile playground where plenty of fundamental phenomena can be tested, and they can also be developed for different applications. This era of metal oxides research began a long time ago, and will be of interest long in the future due to their interesting properties and applications in different areas. In the development of multifunctional materials, there are many challenges, and this type of research is also very active in the current decade. Synthesis and production, their thorough structural characterization, and measurements and calculations of their magnetic and electric properties are crucial in order to gain understanding of their electromagnetic behavior. Therefore, it is worth paying attention to them in this Special Issue of *Materials*. It is our pleasure to invite you to submit a manuscript related to multifunctional materials, especially on their magnetic, electric and structural phenomena, are all welcome.



mdpi.com/si/87945

Special Issue



an Open Access Journal by MDPI

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

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.

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), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank: JCR - Q1 (Metallurgy and Metallurgical Engineering) / CiteScore - Q2 (*Condensed Matter Physics*)

Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/materials
materials@mdpi.com
[X@Materials_Mdpi](https://twitter.com/Materials_Mdpi)