

Special Issue

Advances in Ferroelectrics and Piezoelectric Composites

Message from the Guest Editor

Dear colleagues, In the last few years, energy harvesting from various sources has attracted a growing attention because of the actual demands in replacing fossil fuels. This Special Issue is a timely approach to survey recent progress in area of ferroelectric and piezoelectric composites materials and their applications. The articles presented in this Special Issue will cover various topics, ranging from materials design by using theoretical models, theoretical approach and the production of ferroelectric and piezoelectric materials with enhanced FOMs, functionalization, functional properties and their various applications, such as sensors (energy harvesting, chemical, biological, gas, and so on), fuel cell, electronic devices, and so on. Certainly, the coverage is not complete, but it is our intention that this Special Issue will contribute to improving the knowledge concerning the functional (electric, ferroelectric, piezoelectric, pyroelectric) properties of advanced ferroelectric and piezoelectric materials and their possible applications. It is our pleasure to invite you to submit review articles, original papers, and communications for this Special Issue.

Guest Editor

Dr. Cristina Elena Ciomaga

Science Research Department, Institute for Interdisciplinary Research, Alexandru Ioan Cuza University of Iasi, Lascares Catargi Str. 54, 700107 Iasi, Romania

Deadline for manuscript submissions

closed (20 July 2022)



Materials

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed



mdpi.com/si/62963

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

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





Materials

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed



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



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.

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

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 - Q2 (Metallurgy and Metallurgical Engineering) /
CiteScore - Q1 (Condensed Matter Physics)