



Dielectric Ceramic Materials: Properties and Applications

Guest Editor:

Dr. Jibran Khaliq

Department of Mechanical and
Construction Engineering,
Faculty of Engineering and
Environment, Northumbria
University, Newcastle upon Tyne
NE1 8ST, UK

Deadline for manuscript
submissions:
closed (10 October 2023)

Message from the Guest Editor

Dear Colleagues,

Dielectric ceramics are a hugely popular and innovative branch of smart materials due to their unique and highly adaptive properties and flexibility in applications, which presents exciting and innovative areas of scientific research and ingenious future applications. Although dielectric ceramics have already shown numerous advantages, there are still numerous opportunities in the compositional design, synthesis, blending, and engineering of these systems to enhance efficiency. This Special Issue on “dielectric ceramics” endeavours to provide an opportunity for a comprehensive collection of the latest advances and novel works on experimental as well as simulation- and modelling-based works, the development of synthetic approaches, structure–property correlations and their mechanisms, and the current and emerging applications of dielectric ceramics. This Issue covers dielectric ceramics for a diverse range of applications, including synthetic chemistry, materials science, and biomedical technology.





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)