

Special Issue

Piezoelectric Ceramics: From Fundamentals to Applications

Message from the Guest Editors

The poled polycrystalline ferroelectric materials, also known as piezoelectric ceramics, are the best example of multifunctionality. They have been classically used as sensors and actuators in all areas of daily life (telecommunications, industry, health, transport, etc.). In addition, these versatile materials have in recent years found new uses in the field of the clean and renewable energy production systems, e.g., as mechanical harvesters. The limits of the use of piezoceramics are the limits of human ingenuity. Contributing manuscripts and review papers on the topics of new lead-free compositions and processing routes for bulk ceramics, thin and thick films and composites, on the structural, mechanical, coupled phenomena, ferroelectric and dielectric characterization, on modeling, and on application-oriented studies of these materials are welcomed. Attendees to “*PIEZO2021: Piezoelectrics for End Users XI*” (21–24 February 2021, University of Sassary, Italy) will enjoy a 10% discount of the APC for publishing the work presented at the Conference.

Guest Editors

Prof. Dr. Lorena Pardo

Prof. Sebastiano Garroni

Prof. Amador M. González

Deadline for manuscript submissions

closed (30 June 2021)



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Materials
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.

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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