# **Special Issue**

# Preparation, Characterization and Application of Ferroelectric/Piezoelectric Nanomaterials

### Message from the Guest Editor

Ferroelectric materials have functional applications. such as energy harvesting transducers, advanced sensors, actuators in fields of energy, information, and communication. Over the last decade. ferroelectric/piezoelectric nanomaterials have received extensive attention from scientific and engineering viewpoints. They exhibit different properties from those of bulk materials due to their small size and large surface-to-volume ratios and become promising candidates for nanometer scale electronic, optical, and mechanical devices. This Special Issue of Nanomaterials aims to cover the most recent advances in the synthesis procedures for the preparation of ferroelectric/piezoelectric nanomaterials with different compositions, morphologies, and structures in order to enhance their performance and breadth of applications.

### **Guest Editor**

Dr. Marin Cernea

National Institute of Materials Physics, 077125 Bucharest, Magurele, Romania

### Deadline for manuscript submissions

closed (31 May 2021)



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

mdpi.com/journal/nanomaterials





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## About the Journal

### Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometerscale dimensions, which we call "nanomaterials". These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal-organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, Nanomaterials, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

### **Editor-in-Chief**

### Prof. Dr. Eugenia Valsami-Jones

School of Geography, Earth and Environmental Science, University of Birmingham, Birmingham B15 2TT, UK

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