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Advanced Piezoelectric Nanomaterials: Fundamentals and Applications

Guest Editors:

Dr. Zhuomin Zhang
Department of Mechanical Engineering, City University of Hong Kong, Hong Kong 999077, China

Dr. Xuemu Li
Department of Mechanical and Aerospace Engineering, The Hong Kong University of Science and Technology, Hong Kong 999077, China

Dr. Xiaote Xu
Department of Mechanical Engineering, City University of Hong Kong, Hong Kong 999077, China

Deadline for manuscript submissions:
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Message from the Guest Editors

Dear Colleagues,

Piezoelectric effects, an intriguing phenomenon, enable the robust and precise conversion between electrical and mechanical energies. While the fundamental mechanisms behind piezoelectricity are well established, the precise control and manipulation of the piezoelectric effect, including electrical polarization, mechanical deformation, and electromechanical coupling, continue to be an active area of scientific inquiry and technological innovation. This capability is crucial for advancing the understanding of electromechanical phenomena and unlocking a wide range of cutting-edge applications, such as energy harvesting, intelligent sensing, precision actuation, and biomedical applications.

In this Special Issue, we invite original research articles and reviews that focus on advanced piezoelectric materials, covering various aspects from fundamentals to applications. We enthusiastically welcome contributions that delve into the exploration of the piezoelectric materials and their applications, with the aim of stimulating and accelerating further breakthroughs within this captivating field.

We look forward to receiving your contributions.

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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

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Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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