Special Issue

Nanoscale Ferroelectric, Piezoelectric, and Multiferroic Materials and Their Novel Applications

Message from the Guest Editors

Nanoscale ferroelectric, piezoelectric, and multiferroic materials are at the forefront of advanced material research, holding great promise for groundbreaking applications. While considerable strides have been made in understanding and harnessing their electromechanical properties, further advancements are essential to unlock their full potential. This Special Issue will serve as a comprehensive overview of the current state of research in nanoscale ferroelectric, piezoelectric, and multiferroic materials, providing a platform for scientists and engineers to share their findings and foster collaboration. The gathered knowledge will not only advance our understanding of these unique materials at the nanoscale but will also open new avenues for groundbreaking applications that could significantly impact technology across multiple domains.

Guest Editors

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Deadline for manuscript submissions

closed (30 May 2025)

Nanomaterials

an Open Access Journal by MDPI

Impact Factor 4.3
CiteScore 9.2
Indexed in PubMed

mdpi.com/si/198964

Nanomaterials
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mdpi.com/journal/nanomaterials

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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 nanometer-scale 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.

Editor-in-Chief

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