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Ferroelectric Materials

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Message from the Guest Editors

Dear Colleagues,

The field of ferroelectric materials is continuously expanding, which is a sign of its vitality. Different methods for the design of new materials through chemical and epitaxial strain, based on drawing near the energy of polar phases with different symmetries, have been employed.

Strong progress has also been registered in the synthesis and characterization of ferroelectric materials with constrained geometries like thin films, heterostructures and nanomaterials. Epitaxial strain engineering has been employed to stabilize non-bulk phases in thin films and heterostructures.

In an application-oriented approach, one could mention various achievements: ferroelectrics with strong electro-optical properties, as required for optoelectronic components in quantum computers, ferroelectric materials for biomedical applications, ferroelectric composites for energy harvesting and storage, etc.

This Special Issue is intended to host papers devoted to research on ferroelectric materials in a wide range of topics: ferroelectric thin films, materials for optoelectronics, relaxors, nanomaterials, and composites. Original research articles and reviews are both welcome.



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Special Issue



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Editor-in-Chief

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Message from the Editor-in-Chief

Welcome to *Crystals*, the journal dedicated to the fascinating world of crystallographic research! Crystals are more than mere decorative elements; they hold the key to understanding the fundamental structure of matter. Our mission is to explore the crucial significance of this research across various fields. From medicine to technology, chemistry to geology, crystals play a vital role. Their structure provides insights into new advanced materials, innovative drugs, and groundbreaking technologies. Through *Crystals*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the *Crystals*, where science merges with beauty and innovation.

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