# Special Issue

# Polycrystalline Ferroelectrics: Novel Fabrication Techniques and Applications

## Message from the Guest Editors

We are pleased to invite you to share your new insights, innovative methodologies, and latest findings related to various aspects of polycrystalline ferroelectrics. Polycrystalline ferroelectrics, including ceramics, thick films and thin films, or even composites, can have a large range of applications. In a polar phase, characterized by electrically switchable polarization, they are applicable in electronic memory devices; meanwhile, in the non-polar phase, they can be used in tunable communication devices. Additionally, as highly polarizable materials, polycrystalline ferroelectrics are useful for capacitive energy storage devices. Moreover, since they are also piezoelectric, they can efficiently convert mechanical energy into electrical energy and vice versa; thus, they are promising for energy harvesting, sensor, and actuator applications. This Special Issue aims to showcase the latest advancements in the field of polycrystalline ferroelectric preparation and device architecture development.

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## Deadline for manuscript submissions

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### Message from the Editorial Board

*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.

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