

## Special Issue

# Perspective on the Development of Lead-Free Piezoceramics

### Message from the Guest Editor

The current research activities are focused on strategies to improve the piezoelectric properties of lead-free materials: searching for systems with morphotropic or polymorphic phase boundaries, microstructure optimization, and texturing.

Advancements in phase and microstructure engineering allow piezoceramics to be developed with the significant advantages of piezoelectric coefficients for potential applications in areas such as electronics, healthcare, and automotive applications. This Special Issue is dedicated to current research activities on the most recent developments in lead-free piezoceramics including novel material design and advanced fabrication techniques, as well as models for explaining piezoelectric response. The Special Issue invites researchers who work in material science, through both experimental and theoretical approaches, to submit their research work. In addition, reviews and systematic reviews in the field of lead-free systems for piezoelectric applications are welcome.

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### Guest Editor

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### Deadline for manuscript submissions

closed (20 May 2023)



## Materials

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### Message from the Editor-in-Chief

*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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### Editor-in-Chief

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