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Piezoelectric Materials and Technology

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Deadline for manuscript submissions:
closed (5 November 2020)

Message from the Guest Editors

Dear Colleagues,

Piezoelectric materials constitute various types of crystals, polymers, ceramics, and composites that are used in numerous applications requiring a coupling between electrical fields and mechanical strain.

The main objective of this Special Issue is to collect current research efforts contributing to advances in engineering applications that utilize piezoelectric technologies. The specific topics of interest include, but are not limited to: energy harvesting using piezoelectric materials and devices, sensors and actuators, piezoelectric composite materials, design/fabrication of piezoelectric materials, modeling of piezoelectric materials, piezoelectric nanomaterials, properties of piezoelectric composites, vibration analysis of piezoelectric beams and plates, uses of piezoelectric devices in engineering and medical applications, piezoelectricity in materials, and any other advanced research or application using the piezoelectric phenomenon and/or device.

We look forward to your contributions.

Dr. Young Ho Park
Dr. Abdessattar Abdelkefi
Guest Editors

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Editor-in-Chief

Prof. Dr. Helmut Cölfen
Physical Chemistry, Universität Konstanz, Germany

Message from the Editor-in-Chief

Crystals are a very important class of structured material, both from a scientific and technological viewpoint. In 2011, the Nobel Prize in Chemistry was awarded to Dan Schechtman for his work on quasicrystals. Our journal already expresses in its name *Crystals* that its focus centers around all aspects of this class of materials, which has fascinated humankind from its beginning. Despite decades of research on crystals, it remains a hot and fascinating research topic.

Crystals is a good platform for dissemination of knowledge in this area.

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