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Sensors Based on Piezoelectrics

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Deadline for manuscript
submissions:
closed (10 August 2023)

Message from the Guest Editor

Dear Colleagues,

In the last decade, the development of new technologies has faced the necessity of ultrasensitive accelerometers, magnetic field sensors, IoT applications, biosensors, lab-on-a-chip systems, etc. In this context, piezoelectric-based sensors cover a wide range of applications. Piezoelectric materials offer three main advantages: possibility of passive operation, MEMS and NEMS integration, and broad frequency range. Directives (RoHS) on the restriction of use of certain hazardous substances in electrical and electronic equipment contribute to the development of lead-free materials, including piezoelectric ones. New lead-free ceramics, crystals, and polymer piezoelectric materials demonstrate excellent properties for sensing systems. In addition, cheap and sensitive measurement techniques for piezoelectric-based sensors are of great interest today.

We invite investigators to submit original research articles and reviews on ultrasensitive sensors based on lead-free piezoelectric.

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Special Issue



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Message from the Editor-in-Chief

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