

## Special Issue

# The Design and Performance of Piezoelectric/Ferroelectric Thin Films and Their Application in Energy Storage and Conversion

### Message from the Guest Editor

Piezoelectric and ferroelectric materials exhibit unique properties, such as the ability to convert mechanical energy into electrical energy and vice versa, making them suitable for a wide range of energy-related applications. In recent years, there has been increasing interest in the design and performance of piezoelectric and ferroelectric thin films due to their unique properties and various potential applications in energy storage and conversion. Thin films have emerged as a promising platform for the design and fabrication of high-performance devices due to their small thickness, high surface-to-volume ratio, and the ability to be integrated with other materials and structures. The development of thin film technologies has led to the creation of various devices such as energy harvesters, sensors, actuators, and energy storage devices. Overall, this Special Issue showcases the latest advances in the field of piezoelectric and ferroelectric thin films and their potential to be used for energy-related applications. The research and development of these materials and devices have the potential to revolutionize energy storage and conversion technologies.

### Guest Editor

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## Materials

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### Message from the Editor-in-Chief

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