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Ferroelectric Thin Films and Composites

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Deadline for manuscript submissions:
31 August 2024

Message from the Guest Editor

Ferroelectric materials are of great interest due to their potential applications in various functional devices, such as piezoelectric sensors, transducers, energy harvesters, memories, microwave filters, resistors in integrated circuits, and microelectromechanical systems.

We would like to invite you to submit your original research to this *Coatings* Special Issue entitled "Ferroelectric Thin Films and Composites". The scope of this Special Issue includes all aspects of research within the broad fields of coatings and ferroelectric materials, including experimental and theoretical studies as well as reviews. In particular, the topics of interest include but are not limited to:

- Ferroelectric thin films: fabrication, characterization, related theory, and applications.
- Ferroelectric composites: fabrication, characterization, simulation, and applications.
- Functional devices and their applications.
- Artificial-intelligence-driven material characterization and data mining.
- Any other aspects of ferroelectric materials.

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Message from the Editorial Board

Now more than ever, research is called for to produce technologies and improve knowledge to solve the major challenges faced by our society. The development of new materials and devices for (without the ambition to be exhaustive) energy, health and food technology, together with the need for establishing processes that reduce the impact on critical resources and the environment, is indeed at the center of most contemporary research. Surface science and engineering play a key role in this regard. Refining surfaces and their modifications provides new materials, architectures and processes with a huge potential to aid most societal challenges. *Coatings* is a well-established, peer-reviewed, online journal that focuses on the dissemination of publications in the field of surface science and engineering. *Coatings* publishes original research articles that report cutting-edge results and review papers on the hottest topics.

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