

Ferroic-Based Thin Films and Composites: Towards Advanced Applications

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submissions:

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Message from the Guest Editors

We would like to invite you and appreciate your contribution to this Special Issue of *Coatings* entitled “**Ferroic-Based Thin Films and Composites: Towards Advanced Applications**”. This issue aims to summarize recent advances in ferroic materials, with subject matters ranging from their fabrication methods and applications and covering bulk, thin films, and nanomaterials. Authors are invited to submit original research, critical review articles, or short communications focused on, but not limited to, these topics:

- Fabrication, characterization, and properties of ferroic materials (thin films, bulk, nanoscale) and their composites
- Recent advances in ferroic materials technology and applications
- Dielectric, ferroelectric, pyroelectric and piezoelectric materials
- Electrostrictive and magnetostrictive materials
- Photovoltaics, catalysis, and water splitting
- Energy and refrigeration applications (electrocaloric/magnetocaloric)
- Multiferroic materials for magnetoelectric information storage (memory device) and ME coupling device for sensor applications



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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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