



## Thin Films for Thermoelectric Applications

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Deadline for manuscript  
submissions:

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### Message from the Guest Editors

Dear Colleagues,

This Special Issue, “Thin Films for Thermoelectric Applications”, aims to cover original research and critical review articles on recent aspects of novel thermoelectric materials processed as thin films. In particular, papers are invited that discuss recent advances in thermoelectric materials and their processing as thin films, characterization techniques relating structure–properties, construction of devices based on thin thermoelectric films, theory relating to thermoelectricity of thin films, and in general, all aspects of applications of thermoelectric thin films.

The topics of interest include but are not limited to:

- Synthesis of novel thermoelectric materials
- Deposition techniques for thin films of thermoelectric materials
- Characterization methods of thermoelectric properties of thin films
- Structural characterization of thermoelectric thin films
- Quantum confinement, phonon drag, 2D materials
- Physics and chemistry of novel thermoelectric materials for thin films
- Theory and modelling of thermoelectric thin films
- Thermoelectric thin films sensors and applications
- Thermoelectric nanodevices





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## Message from the Editorial Board

Now more than ever, research is asked to deliver knowledge and technologies 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 in the spotlight of most contemporary research. Surface science and engineering play a key role in this regard, with an incredible potential in delivering new and deep scientific understanding and technical solutions essential to solve most of the major societal challenges.

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