

Special Issue

Novel Thin Film Materials for Thermoelectric Applications

Message from the Guest Editor

This Special Issue on "Novel Thin Film Materials for Thermoelectric Applications" is intended to cover original research and critical review articles on recent advances in all aspects of novel thermoelectric materials and their processing in thin films, deposition methods for thermoelectric thin films, characterization techniques of thin film thermoelectrics, all aspects of applications of thermoelectric thin films.

In particular, the topics of interest include, but are not limited to:

- Deposition techniques for TE thin film materials
- Structural characterization of TE thin films
- Characterization methods of TE properties of thin films
- Quantum confinement, Phonon drag, 2D materials
- Physics and chemistry of novel TE materials for thin films
- Theory and modelling of TE thin films
- Energy harvesting applications of TE thin films
- Integrated cooling devices based on TE thin films
- TE thin film sensors and applications
- TE nanodevices

Guest Editor

Prof. Dr. Norbert M. Nemes

Department of Materials Physics, Complutense University of Madrid, Madrid, Spain

Deadline for manuscript submissions

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Coatings
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
coatings@mdpi.com

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About the Journal

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.

Coatings is a well-established, peerreviewed, online journal dedicated to the vibrant field of surface science and engineering. Coatings publishes original research articles that report cutting-edge results and review papers that make the point on the hottest research topics.

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State Key Laboratory of New Ceramics and Fine Processing, School of Materials Science & Engineering, Tsinghua University, Beijing 100084, China

Dr. Emerson Coy

NanoBioMedical Centre, Adam Mickiewicz University in Poznań, ul. Wszechnicy Piastowskiej 3, 61-614 Poznań, Poland

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