

Electrodeposition of Thin Films for Energy Applications

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Message from the Guest Editor

We have the pleasure to invite you to submit your work to this Special Issue on “Electrodeposition of Thin Films for Energy Applications”. The aim of this Special Issue is to open a platform, not only for reviewing and presenting the latest advances in experimental and theoretical developments in this field, but also for open discussions and clarifications, which may lead to an improved understanding of the electrodeposition mechanisms and their associated beneficial properties for various energy applications. In particular, the topics of interest include but are not limited to:

- Electrodepositions of metals and alloys for batteries, fuel cells, solar cells, and supercapacitors;
- Electrochemical investigation methods for thin layer characterizations;
- Thin films novel materials for energy conversion and storage applications;
- Mechanisms of electrochemical thin films deposition and growth models.





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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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