



Thin Films and Coatings for Energy Application

Guest Editor:

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Deadline for manuscript
submissions:

closed (15 December 2021)

Message from the Guest Editor

We would like to invite you to submit your work to this Special Issue on "Thin Films and Coatings for Energy Application". The aim of this Special Issue is to present the latest experimental and theoretical developments in thin films and coatings applications for both renewable and non-renewable energy sectors, through a combination of original research papers and review articles from leading groups around the world.

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

- Fundamentals and new concepts in use, modeling, and characterization of thin films and coatings for energy applications
- New methods for the synthesis of thin films and coatings for energy applications
- Novel thin films and coatings for catalysis and photocatalysis in energy
- Thin films and coatings for energy storage devices including but not limited to batteries and supercapacitors
- Thin films and coatings for hydrogen energy technologies including but not limited to fuel cells and solid-state hydrogen storage
- Thin films and coatings for solar cells and solar thermal
- Thin films and coatings for thermoelectric
- Smart coatings and thin films for energy applications





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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.

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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