

Special Issue

Coatings for Batteries and Energy Storage

Message from the Guest Editor

As the demand for sustainable energy solutions continues to rise, the development of advanced materials for batteries and energy storage systems has become increasingly critical. Coatings play a pivotal role in enhancing the electrochemical performance of various battery technologies. This Special Issue, “Coatings for Batteries and Energy Storage”, aims to provide a fundamental platform for scholars in this field to share their findings related to the use of new materials and novel technologies in batteries. In particular, topics of interest include, but are not limited to, the following:

- Advanced coating technologies for novel battery systems;
- Nanostructured coatings that enhance ionic conductivity;
- Multifunctional coatings and materials for electrodes;
- Advanced polymeric coatings for separator and electrode applications.

We invite researchers to contribute their insights and research results to advance the understanding and application of coatings in batteries and energy storage solutions.

Guest Editor

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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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