

# Special Issue

## Advanced Nanomaterials, Films, and Coatings for Energy and Sustainability

### Message from the Guest Editors

The urgent need for clean and sustainable energy has placed advanced nanomaterials at the heart of innovation. This Special Issue invites researchers to share their latest findings on how films, coatings, and nanostructured materials can help address two of today's most pressing energy challenges: hydrogen production and high-performance supercapacitors.

Both original research papers and comprehensive reviews are encouraged, especially those that highlight new strategies, address practical challenges, and point toward real-world applications. By bringing together innovative work from across the field, this Special Issue aims to showcase how advanced nanomaterials can contribute to a more sustainable and energy-secure future.

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### Guest Editors

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### Deadline for manuscript submissions

25 October 2026



## Coatings

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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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### Editors-in-Chief

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