

# Special Issue

## Coatings in Tribology: Nanomaterials for Macroscale

### Message from the Guest Editor

Precise control of wear and frictional properties is crucial for applied engineering applications. Being deposited on various engineering materials, functional tribological coatings make it possible to resolve contradictions between the bulk and surface properties of engineering components. In recent decades, significant progress has been achieved in developing new advanced coating materials combining outstanding mechanical, optical, and biomedical properties. This Special Issue aims to highlight the latest achievements in the design, synthesis, and evaluation of tribological coatings through a combination of original research papers and review articles from leading groups worldwide. In particular, the topics of interest include, but are not limited to:

- Computer simulation and design strategy;
- Nanocomposite and multilayer tribological coatings;
- Two-dimensional coating materials for tribological applications;
- Structural, mechanical, and tribological properties of coatings;
- Tribological coatings for special applications (space, vacuum, bio, etc.).

I look forward to receiving your contributions.

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### Guest Editor

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### Deadline for manuscript submissions

closed (30 November 2023)



## 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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