

Multifunctional Coatings and Lubrication

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Message from the Guest Editors

This Special Issue on “Multifunctional Coatings and Lubrication” aims to present the latest findings and to promote further research in the areas of multifunctional coatings integrated with two or more functionalities, and their application in lubrication is highly preferred. This Special Issue includes experimental characterization and theoretical calculations of multifunctional coatings. Full papers, review articles, and communications are all welcome.

In particular, the topic of interest includes but is not limited to

- Wear-resistant coatings;
- Lubrication coatings;
- Erosion-resistant or corrosion-resistant coatings;
- Oxidation-resistant coatings;
- Thermal barrier coatings;
- Flame-retardant coatings;
- Stealth coatings;
- Electromagnetism shield coatings;
- Anti-reflection coatings;
- Hydrophobic/hydrophilic coatings;
- Anti-icing coatings;
- Self-cleaning coatings;
- Self-healing coatings.



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Message from the Editorial Board

Now more than ever, research is called for to produce technologies and improve knowledge 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 at the center of most contemporary research. Surface science and engineering play a key role in this regard. Refining surfaces and their modifications provides new materials, architectures and processes with a huge potential to aid most societal challenges. *Coatings* is a well-established, peer-reviewed, online journal that focuses on the dissemination of publications in the field of surface science and engineering. *Coatings* publishes original research articles that report cutting-edge results and review papers on the hottest topics.

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