

Electrodeposition, Characterization and Application of Metal and Alloy Films

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Deadline for manuscript
submissions:

closed (15 January 2024)

Message from the Guest Editors

Dear Colleagues,

For the Special Issue, the topics of particular interest include, but are not limited to:

- Electrodeposition and characterization of films or film sequences which do not contain hazard components or their release;
- Electroplating and characterization of thin films of precious metals (Au, Pt, Pd, Rh, etc.) with high performance;
- Study of green additives and ligands aimed at optimizing the deposition of metal coatings;
- Theoretical studies and computational modeling for optimization of the homogeneity of metallic film characteristics;
- Characterization of the properties of metal coatings for their application such as in corrosion resistance, durability, and other technical properties.



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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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