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Advances in Coatings Prepared by Deposition: Microstructure, Properties and Applications

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Deadline for manuscript submissions:
closed (20 June 2023)

Message from the Guest Editors

Dear Colleagues,

Advancements in deposition techniques are pivotal for the development of coatings with enormous potential for technologically relevant applications. The ability to tune the properties of coatings by properly regulating their microstructure, morphology and composition, adopting an advanced fabrication route is a crucial factor to improve their performances for the targeted application.

This Special Issue aims to welcome original research papers and reviews focusing on advanced coatings realized through a wide variety of fabrication routes, including either physical (e.g., sputtering, ion implantation, pulsed layer deposition, etc.) or chemical (chemical vapour deposition, sol–gel, chemical bath deposition, hydrothermal, etc.) methods.

Potential topics include, but are not limited to:

The fabrication and characterization of nanostructured coatings;
The optimization of the deposition process in view of specific applications;
Electrocatalysts for applications towards oxygen and/or hydrogen evolution reactions;
Coatings for applications in sensors, microelectronics and solar cells.

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Message from the Editor-in-Chief

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