Special Issue

Recent Achievements in Coatings Electroplating from Non-aqueous Electrolytes

Message from the Guest Editors

This Special Issue aims to collect the most valuable and cutting-edge findings related to synthesizing coatings and thin films with various properties and applications that have been electrochemically deposited from non-aqueous electrolytes based on ionic liquids, alcohols, molten salts and other organic solvents. Topics of interest include:

- Recent developments in multi-functional coating synthesis from organic/inorganic electrolytes;
- Investigations of the metal ion complexing and electrolyte formation in non-aqueous systems;
- Electrochemical behaviour of different organic/inorganic solvents in the metal plating process;
- Novel binary/ternary/multi-elemental alloys electrodeposition from non-aqueous solutions and their characterization;
- Achievements in molten salt electrochemistry from the lab and industrial scale;
- Ionic liquids for electrochemistry—synthesis, characterization and application.

We are looking forward to receiving your submissions.

Guest Editors

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Deadline for manuscript submissions

closed (20 April 2024)

Coatings

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.4

mdpi.com/si/134285

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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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