

Recent Achievements in Coatings Electroplating from Non-aqueous Electrolytes

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Message from the Guest Editors

Dear Colleagues,

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.



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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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