

Special Issue

New Trends in Surface Protection Coatings, Films and Corrosion Inhibition

Message from the Guest Editor

This Special Issue is focused on the recent developments and current research on corrosion inhibition and surface protection films in the field of coatings. Nowadays, society demands innovative corrosion prevention strategies that combine good corrosion protection along with environmentally friendly solutions that offer and guarantee a long-lasting service lifetime. Special emphasis will be placed on advanced electrochemical techniques for coating characterization. In particular, the topics of interest include, but are not limited to:

- corrosion inhibitors;
- controlled corrosion release;
- microencapsulated corrosion inhibitors;
- smart coatings;
- superhydrophobic films and coatings;
- new coating strategies;
- sealing processes and films;
- thermal spray coatings;
- advanced electrochemical techniques for coating characterization.

Guest Editor

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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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