

Special Issue

Theoretical and Experimental Assessments of Corrosion Inhibitors

Message from the Guest Editor

The aim of this Special Issue is to consolidate recent findings related to corrosion and the deterioration of materials, and to give the opportunity to researchers to publish their latest results to understand or solve the corrosion problems of materials using corrosion inhibitors complemented by theoretical approaches to explain the mechanism of inhibition. We invite the submission of high-quality original papers and critical reviews. Potential topics include, but are not limited to, the following areas:

- Corrosion fundamentals;
- Corrosion inhibition;
- Temperature effect;
- Adsorption isotherms;
- Surface characterization (SEM, EDX, AFM, etc.);
- DFT calculation;
- Monte Carlo simulation;
- Molecular dynamics simulation.

I look forward to receiving your contributions.

Guest Editor

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Deadline for manuscript submissions

closed (31 January 2024)



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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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