

## Theoretical and Experimental Assessments of Corrosion Inhibitors

Guest Editor:

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Deadline for manuscript  
submissions:

**closed (31 January 2024)**

### Message from the Guest Editor

Dear Colleagues,

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.



## Editors-in-Chief

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## 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.

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