

## Special Issue

# Corrosion Mechanisms and Electrochemical Interfaces: In Honor of Prof. Digby Macdonald

### Message from the Guest Editors

This Special Issue aims to gather scientific contributions that focus on corrosion mechanisms and electrochemical interface phenomena in material degradation processes.

An ample research scenario will be covered, including a range of corrosion and material degradation topics: localized corrosion, stress corrosion cracking, hydrogen embrittlement, crevice corrosion, atmospheric corrosion, corrosion inhibitors, microbiologically induced corrosion, as well as electrochemical kinetics and thermodynamics. In addition, advanced electrochemical techniques and computational studies for corrosion prevention and prediction, including stochastic and deterministic modeling approaches, as well as artificial intelligence and machine learning are also welcome. A comprehensive approach from theory to applications is considered for diverse topics such as energy systems, nuclear plants and repositories, geothermal, construction, among others.

In this regard, this Special Issue in Honor of Prof. Digby Macdonald is devoted to communications including experimental and theoretical studies on corrosion and electrochemical interfaces appealing to material degradation, protection and performance.

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### Deadline for manuscript submissions

closed (31 January 2025)



## Corrosion and Materials Degradation

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## About the Journal

### Message from the Editor-in-Chief

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#### Editor-in-Chief

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