



Corrosion of Materials: Evaluation, Testing, Protection, and Failure Analysis (2nd Edition)

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Message from the Guest Editors

Dear Colleagues,

The corrosion failure of materials has been a long-term, worldwide issue, causing huge economic losses and accidental disasters. Corrosion protection research comprises an important step towards sustainable actions to protect our environment and to conserve resources. With technical innovations, there have been new corrosion problems arising given the emergence and application of new materials. In this context, the present Special Issue aims to collect state-of-the-art research, providing a forum for discussion on recent advances in corrosion evaluation, testing, protection, and failure analysis.

We welcome high-quality original research and review articles on themes including, but not limited to, the following:

- Corrosion behaviors and mechanisms;
- Failure analysis;
- Surface modification;
- Advanced coatings;
- Corrosion inhibitors and smart carriers;
- Corrosion inhibition mechanism by DFT calculation and molecular dynamics simulation;
- Electrochemical characterization;
- New monitoring, evaluation, simulation, and prediction methods.

We look forward to receiving your contributions.





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Editor-in-Chief

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Message from the Editor-in-Chief

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