

Special Issue

Molecular Mechanism in Corrosion

Message from the Guest Editor

This Special Issue focuses on molecular mechanisms of corrosion, integrating surface science, electrochemistry, and computational modeling to understand material degradation at atomic levels. Topics include electrochemical reactions, corrosion inhibitor design, surface passivation, multi-scale analysis, and microbiologically influenced corrosion (MIC). By combining experimental and theoretical approaches, this issue aims to advance corrosion protection strategies and sustainable material design.

Guest Editor

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