Electrochemical and Computational Methods for Corrosion Protection Processes

Message from the Guest Editors

This Special Issue on "Electrochemical and Computational Methods for Corrosion Protection Processes" seeks high-quality works focusing on an overview of corrosion science and presents computational and experimental studies to mitigate damage from corrosion. Taking an interdisciplinary perspective, this volume is a rich resource of studies and experiments toward solutions that are cost-effective, environmentally friendly, and low in maintenance. This Special Issue offers important information on the mechanisms of corrosion science in theory and practice as well as a wealth of corrosion prevention and protection methods exploring different types of materials and various methods of corrosion inhibition. This Special Issue includes, but is not limited to, the following topics:

- corrosion science;
- corrosion engineering;
- corrosion protection;
- materials;
- smart coating;
- advanced coating;
- biomaterials;
- molecular dynamics simulation;
- molecular modeling;
- tribocorrosion.

Guest Editors

Dr. Younes El Kacimi
Advanced Materials and Process Engineering, Université Ibn Tofail, Kénitra 14000, Morocco

Dr. Khaoula Alaoui
Advanced Materials and Process Engineering, Université Ibn Tofail, Kénitra 14000, Morocco

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Editor-in-Chief

Prof. Dr. Giancarlo Cravotto
Department of Drug Science and Technology, University of Turin, Via P. Giuria 9, 10125 Turin, Italy

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