



Surface Treatments to Improve the Corrosion Resistance of Metals

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Today the variety of surface treatments applied to metallic materials to improve their corrosion resistance is so wide to offer an almost unlimited number of possibilities; the best known are the *coatings*, which thanks to the combination of applied material (metallic, ceramic or polymeric), thickness (from few nanometers of the conversion layers to hundreds of microns of thick coatings) and technology used (thermal, chemical, physical or electrochemical) offer a wide range of possibilities. Besides to coatings, diffusion treatments, passivation and surface functionalization are also possible, making the panorama extremely varied.

In this Special Issue, we wish to cover the most recent advances in all these kind of surface treatments developed to improve the corrosion resistance of metals, by hosting a mix of original research articles and short critical reviews.

Dr. Roberto Giovanardi

Guest Editor





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Message from the Editor-in-Chief

Surfaces and interfaces are ubiquitous, and their relevance in Chemistry, Physics, Catalysis, Materials Science & Engineering, Nanoscience, Biology and Nanomedicine is nowadays well acknowledged. Similarly, surfaces cannot be neglected when targeting applications in many strategic fields, such as sensors, energy conversion and storage, environmental and food science, and medical devices.

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