



Surface Treatments to Improve the Corrosion Resistance of Metals

Guest Editor:

Dr. Roberto Giovanardi

Department of Engineering 'Enzo Ferrari', University of Modena and Reggio Emilia, Via Vivarelli 10, 41125 Modena, Italy

Deadline for manuscript submissions:

30 April 2024

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

