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Corrosion Resistance and Surface Treatment of Stainless Steel

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Deadline for manuscript submissions:

closed (10 October 2023)

Message from the Guest Editors

This Special Issue of *Materials* entitled "Corrosion Resistance and Surface Treatment of Stainless Steels" will concern the broadly understood surface treatment of stainless steel in order to increase its mechanical properties with unchanged or improved corrosion resistance. This Special Issue will also publish articles on other surface treatments that will ensure the achievement of the required goals. The publications focusing on the influence of a specific microstructure of the surface layers formed in a specific treatment on the properties of stainless steel, in particular on its corrosion resistance determined by polarization and impedance methods, will be preferred. Research on the topography and surface roughness as well as the chemical and phase composition of the surface layer should provide information on the mechanism of increasing the corrosion resistance of stainless steel.



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Special Issue



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Message from the Editor-in-Chief

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