Special Issue

Corrosion Resistance and Surface Treatment of Stainless Steel

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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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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