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Corrosion Resistance and Surface Treatment of Stainless Steel

Guest Editors:

Prof. Dr. Jerzy Robert Sobiecki

Faculty of Materials Science and Engineering, Warsaw University of Technology, Warsaw, Poland

Dr. Tomasz Borowski

Faculty of Materials Science and Engineering, Warsaw University of Technology, Warszawa, Poland

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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Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Message from the Editor-in-Chief

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Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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