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.

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)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/161468

Materials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

mdpi.com/journal/materials

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/journal/materials

MDPI

About the Journal

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.

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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Metallurgy and Metallurgical Engineering) / CiteScore - Q1 (Condensed Matter Physics)