



materials



an Open Access Journal by MDPI

Microstructure, Tribological and Corrosion Behaviors of Coatings

Guest Editor:

Dr. Sarka Houdkova

Research and Testing Institute
Plzen, Plzen, Czech Republic

Deadline for manuscript
submissions:

closed (20 November 2023)

Message from the Guest Editor

This Special Issue of *Materials* is focused on studies examining the potential of laser treatment of thermally-sprayed coatings regarding tribological and corrosion behavior. Contributions are welcome from the fields of i) laser treatment parameters studies; ii) laser treatment process diagnostics and control; iii) laser-treatment-induced coatings' microstructure development; iv) evaluation of changes of coatings' functional properties; v) modeling of heat dissipation processes and related changes of coatings internal stresses; and vi) case-studies of laser post-treatment application.



mdpi.com/si/47116

Special issue



an Open Access Journal by MDPI

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

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.

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

Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/materials
materials@mdpi.com
[X@Materials_Mdpi](https://twitter.com/Materials_Mdpi)