



an Open Access Journal by MDPI

Advanced Modification Methods to Improve the Performance of Thin Films and Coatings

Guest Editor:

Dr. Karol Kyziot

Faculty of Materials Science and
Ceramics, AGH University of
Krakow, 30-059 Kraków, Poland

Deadline for manuscript
submissions:
closed (31 March 2022)

Message from the Guest Editor

Dear Colleagues,

In recent decades, an increase in the quantity of scientific publications on surface modification has been noticed, which confirms the necessity of conducting this scientific research. This increased interest in surface modification is the result of the growing need for constructional materials that exhibit increased wear resistance, and a low-friction coefficient or biocompatibility. We invite you to present your valuable research focused on the possibility to prepare a material surface as well as obtain an interlayer of modified metallic, polymeric or ceramic substrate in this Special Issue. The topics of interest include but are not limited to (i) diffusion layers, (ii) plasma modified surfaces, (iii) heat treatment methods, and (iv) pre-functionalization processes.

Dr. Karol Kyziot
Guest Editor



mdpi.com/si/77173

Special Issue



an Open Access Journal by MDPI

Editors-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

Prof. Dr. Yuguang Ma

State Key Laboratory of Luminescent Materials and Devices, South China University of Technology, Guangzhou 510640, China

Message from the Editorial Board

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 - Q2 (Metallurgy and Metallurgical Engineering) / CiteScore - Q1 (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)