Special Issue

Fabrication, Characterization, and Application of Coatings and Thin Films (Volume II)

Message from the Guest Editor

Today's equipment and technologies for structuring and patterning provide sophisticated tools for further perfection of the surface. The art of coating and thin film technologies starts before their deposition by placing proper emphasis on the processing of precursors and particles for adjusted monolayered films or hybrid coatings. Sometimes, the fixation of nanomaterials in coatings or at surfaces also enables specific features. Last but not least, signals from the coating or thin film enable smart interactions and coating communication with or coating reaction on the environment. It is desirable to ensure long durability, wear and corrosion resistance, as well as friction adjustment. These aspects need to be tested before coated materials are released for practical applications. Although this is a long-standing topic, this Special Issue aims to address the latest trends in surface engineering and coatings technology. Our aim is to combine results from experts in different fields to stimulate interest in the trends and successes from one special field and application to another.

Guest Editor

Prof. Dr. Annett Dorner-Reisel

Faculty of Mechanical Engineering, University of Applied Sciences Schmalkalden, 98574 Schmalkalden, Germany

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

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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

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