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Advances in Thin Film Technology and Laser Processing

Guest Editor:

Dr. Stefan-Andrei Irimiciuc

National Institute for Laser,
Plasma and Radiation Physics,
409 Atomistilor Street, 077125
Bucharest, Romania

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Message from the Guest Editor

This Special Issue's objectives include attracting contributions reporting on the production and characterization of high-quality thin films, as well as their processing through the use of a wide range of techniques. The goal is to highlight technologically mature techniques and innovations in thin-film properties highlighted with surface analysis techniques and in situ and in operando investigations.

Insights into fundamental mechanisms of thin-film growth and parametric control over chemical and physical properties are a key aspect of coating technology when considering scaling-up and aiding the technological transfer towards the industry. Spanning from fundamental aspects regarding thin-film manufacturing techniques or thin-film processing to the development and testing of nano- or mesoscale systems with control over the chemical and physical properties of thin films, topics of interest also include the biocompatibility and bioactivity of functionalized surfaces, deposition technologies, substrate surface preparation techniques, and the development of thin-film-based devices and large-area technologies.



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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

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.

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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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