

Special Issue

Advanced Functional Coatings for Surface Engineering: Deposition, Properties and Applications

Message from the Guest Editor

Advancements in surface engineering, encompassing techniques, characterization methods, and applications, are significant to the development of many other disciplines of science and technology. In view of the foregoing, we invite you to present your valuable research focused on the perspective possibility of obtaining functional coatings with the application of different deposition systems on metallic, polymeric, or ceramic substrates in the Special Issue of *Materials* entitled: “Advanced Functional Coatings for Surface Engineering: Deposition, Properties and Applications”. In particular, the topics of interest include, but are not limited to:

- Plasma-based processes;
- Additive manufacturing processes;
- Dip-coating, spin-coating, and spray-coating methods;
- Thermal barrier coatings;
- Anti-wear properties, anti-corrosion properties;
- Bioactive, biocompatibility, drug delivery systems;
- Self-healing coatings, self-cleaning;
- Gradient coatings, microstructure evolution;
- Anti-wear application, cutting tools, motor industry, and aviation industry;
- Optical and electronic devices, bioengineering.

Guest Editor

Dr. Karol Kyzioł

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

Deadline for manuscript submissions

20 June 2026



Materials

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed



mdpi.com/si/237568

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

[mdpi.com/journal/
materials](https://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](https://mdpi.com/journal/materials)



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)