



materials



an Open Access Journal by MDPI

Future Trends in Chemical Engineering Science: Coatings; Additive Manufacturing, Composites and Inorganic Materials

Guest Editor:

Dr. Ewa Skwarek

Department of Radiochemistry
and Environmental Chemistry,
Institute of Chemical Sciences,
Faculty of Chemistry, University
of Marie Skłodowska-Curie,
Lublin, Poland

Deadline for manuscript
submissions:

closed (10 February 2023)

Message from the Guest Editor

The main interest of many research centers is the preparation of new, modern, and technologically advanced materials that are cheap, easily available, operate effectively, and minimize process times. This Special Edition is devoted to the characterization of new types of materials and their composites' syntheses and modifications, mainly intended to solve environmental and medical problems. Additive manufacturing is today one of the hottest words in the world of technology for the manufacturing industry. It is a technology that uses 3D printing to build new products "layer by layer". At the moment, details produced on 3D printers are widely used in medicine and other industries. Modern coatings are products that use innovative technologies: protect against mechanical damage, hydrophobic and self-cleaning properties. They provide very good protection against UV rays, weather conditions, and various types of chemicals. The publication should contain descriptions of the properties and synthesis of modern, innovative materials. Articles containing reviews and research results are welcome.



mdpi.com/si/95870

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)