



materials



an Open Access Journal by MDPI

Advanced Materials and Technologies for Thermal Sprayed Coatings

Guest Editors:

Prof. Dr. Dragos Utu

Department of Materials and Manufacturing Engineering, Mechanical Engineering Faculty, Politehnica University Timișoara, Piața Victoriei 2, 300006 Timișoara, Romania

Dr. Iosif Hulka

Research Institute for Renewable Energy, Politehnica University of Timișoara, G. Muzicescu 138, 300501 Timișoara, Romania

Dr. Gabriela Mărginean

Department of Materials Science and Testing, Westphalian University of Applied Sciences Gelsenkirchen Bocholt Recklinghausen, Neidenburgerstr. 43, 45897 Gelsenkirchen, Germany

Deadline for manuscript submissions:

closed (20 November 2024)



mdpi.com/si/160620

Message from the Guest Editors

Dear Colleagues,

In this Special Issue, we aim to publish scientific contributions on thermal spraying deposition methods addressing such aspects as feedstock manufacturing, coating deposition, post-treatment of sprayed coatings, microstructure characterization, and evaluation of properties.

We encourage the submission of research such that we can, through publication, disseminate original and innovative findings in the field of surface engineering related to thermal spraying methods covering the following topics:

- Advanced materials manufacturing as feedstock for thermal spraying;
- New and modern thermal spraying processes;
- Problems associated with thermal sprayed coatings;
- Thermal spraying process simulation;
- Characterization and evaluation of thermal spraying properties.

Scientific papers, engineering articles, communications, and reviews are all welcome for submission and potential publication in this Special Issue “Advanced Materials and Technologies for Thermal Sprayed Coatings”.

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 - 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)