

Special Issue

Application, Processing and Testing of Modern Biomaterials

Message from the Guest Editors

The aim of this Special Issue is to present the latest experimental and theoretical achievements in the field, through a combination of original research papers as well as comprehensive reviews addressing the relevant state-of-the-art topics in the area of medical applications, from leading research groups around the world, covering the most recent advances in modern biomaterials. Scientific and technological progress has been achieved on this topic by universities and research institutes worldwide. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but not limited to) the following:

- Modern biomaterials that can be reengineered into molded or machined parts, coatings, fibers, films, foams, and fabrics for use in biomedical products and devices;
- Attainment of all types of biomaterials used for medical applications: metallic, ceramics, polymers, composites;
- Mechanical coating/alloying/treatment of the metallic and non-metallic materials;
- Thermo/chemical treatment of the metallic and non-metallic materials;

Guest Editors

Prof. Dr. Petrica Vizureanu

Faculty of Materials Science and Engineering, Gheorghe Asachi Technical University of Iasi, 41 D. Mangeron Street, 700050 Iasi, Romania

Dr. Madalina Simona Baltatu

Department of Technologies and Equipment for Materials Processing, Faculty of Materials Science and Engineering, Technical University Gheorghe Asachi of Iasi, 700050 Iasi, Romania

Deadline for manuscript submissions

closed (31 August 2023)



Coatings

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.4



mdpi.com/si/113524

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

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





Coatings

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.4



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



About the Journal

Message from the Editorial Board

Now more than ever, research is asked to deliver knowledge and technologies to solve the major challenges faced by our society. The development of new materials and devices for (without the ambition to be exhaustive) energy, health and food technology, together with the need for establishing processes that reduce the impact on critical resources and the environment, is indeed in the spotlight of most contemporary research. Surface science and engineering play a key role in this regard, with an incredible potential in delivering new and deep scientific understanding and technical solutions essential to solve most of the major societal challenges.

Coatings is a well-established, peerreviewed, online journal dedicated to the vibrant field of surface science and engineering. Coatings publishes original research articles that report cutting-edge results and review papers that make the point on the hottest research topics.

Editors-in-Chief

Prof. Dr. Wei Pan

State Key Laboratory of New Ceramics and Fine Processing, School of Materials Science & Engineering, Tsinghua University, Beijing 100084, China

Dr. Emerson Coy

NanoBioMedical Centre, Adam Mickiewicz University in Poznań, ul. Wszechnicy Piastowskiej 3, 61-614 Poznań, Poland

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), Ei Compendex, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Physics, Applied) / CiteScore - Q2 (Surfaces, Coatings and Films)