



Recent Trends in Coating of Biomaterials

Guest Editor:

Prof. Cristiana Radulescu

Valahia University of Targoviste,
Targoviste, Romania

Deadline for manuscript
submissions:

closed (31 May 2022)

Message from the Guest Editor

Dear Colleagues,

We would like to invite you to submit your work to this Special Issue on “Recent Trends in Coating of Biomaterials”. Pure light metals (e.g., Mg, Al, Ti, Zr) or their alloys were particularly distinguished for medical and surgical usage due to their properties, such as compatibility with the biological environment, good mechanical behavior, and corrosion resistance. Among the various biomaterials, plasma spraying of hydroxyapatite has been intensively investigated and adopted by companies involved in the production of orthopedic implants.

The topics of this special issue include but are not limited to:

Microstructural and compositional characterization of substrate and coating layers applied on different biomaterials;

Nondestructive methods for coatings characterization;

Development of phosphorus-incorporated oxide layers on alloys for biomedical applications;

Thin-films, membranes, coatings, nanostructures of functional materials;

Advances in coatings and surface characterization;

Biocoating and biomaterial surfaces.





an Open Access Journal by MDPI

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

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.

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), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Physics, Applied*) / CiteScore - Q2 (*Surfaces, Coatings and Films*)

Contact Us

Coatings Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/coatings
coatings@mdpi.com
X@Coatings_MDPI