

Special Issue

Plasma Technologies for Surface Engineering

Message from the Guest Editor

Coatings and interfaces developed through plasma technologies offer solutions for complex problems in a wide range of sectors from tissue engineering and regenerative medicine to aerospace, optoelectronics, and energy generation. The goal of this Special Issue is to provide an overview of the current state of knowledge on the synthesis, characterization, and use of plasma-synthesized coatings in important technological applications. The topics of interest include but are not limited to:

- Plasma surface engineering technologies such as PVD, PECVD, ion beam deposition and plasma immersion implantation, plasma polymerization, and atmospheric pressure plasma processes;
- Plasma coating applications such as electrical, magnetic and optical coatings; protective and tribological coatings; biofunctional coatings; and coatings related to energy conversion;
- Characterization and simulation of plasma-synthesized film growth, structure, and properties.

Guest Editor

Dr. Behnam Akhavan

School of Biomedical Engineering and School of Physics, The University of Sydney, Sydney, Australia

Deadline for manuscript submissions

closed (10 December 2021)



Coatings

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.4



mdpi.com/si/39618

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)