

Special Issue

State-of-the-Art on Coatings Research for Biomedical and Environmental Applications

Message from the Guest Editors

We aimed to have a special issue (SI) on the recent advances in coating technologies for environmental and biomedical applications. Our primary focus is on the contribution of advanced materials and technologies to be used for the coating of various organic and inorganic substrates. The effect of surface roughness and topography, as well as surface chemistry of substrates on the coating quality, is an important aspect of this SI.

Also, environmentally friendly coatings to move towards a sustainable future industry with zero carbon emissions will be another aspect of this special issue. There is also an interest in bioinspired coatings which provides many biomedical and environmental applications. **Keywords:**

- coating
- bioinspiration
- surface alteration
- surface chemistry
- surface morphology

Guest Editors

Dr. Amir Razmjou

UNESCO Centre for Membrane Science and Technology, University of New South Wales, Sydney, Australia

Prof. Dr. Mohsen Asadnia

School of Engineering, Macquarie University, Sydney, NSW 2109, Australia

Deadline for manuscript submissions

closed (31 December 2021)



Coatings

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.4



mdpi.com/si/81027

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)