

Special Issue

Challenges on Colloids for Antiviral and Antibacterial Effects: Breakthroughs and Discoveries

Message from the Guest Editors

The aim of this Special Issue will cover new trends in colloid chemistry for antiviral and antibacterial effects. This Special Issue will mainly focus on scientific contributions about (but not limited to) the use of Colloids and Surfaces in following topics:

- Antiviral surfaces;
- Antibacterial surfaces;
- Bacterial biofilms;
- Vaccine delivery;
- Drug delivery;
- Disinfection improvements.

This Special Issue of *Coatings* will collect both original research papers and reviews, covering the most recent advances and challenges in the field of colloid chemistry for antiviral and antibacterial coatings. We hope that contributions to the present Issue can effectively support research on antiviral, antibacterial, and vaccine coatings, from nano- to macroscale. All manuscripts will be peer reviewed, with those accepted to be published immediately online in this Special Issue.

Guest Editors

Dr. Gesmi Milcovich

School of Chemical Sciences, Dublin City University, Dublin 9, Ireland

Dr. Filipe Antunes

Department of Chemistry, University of Coimbra, Rua Larga, 3004-535 Coimbra, Portugal

Deadline for manuscript submissions

closed (30 June 2022)



Coatings

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.4



mdpi.com/si/84722

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

Journal Rank:

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