

Special Issue

Behavior and Transformations of Nanomaterials in Different Environments

Message from the Guest Editors

Engineered nanomaterials (ENMs) undergo complex interactions and transformations at different points during their lifecycle. These interactions and transformations depend on the physicochemical nature of the ENMs as well as the environment where they are found or released into. These transformations determine ENMs fate, behavior, and properties over time. Therefore, the uniqueness of each ENM's scenario results in a great deal of complexity. This Special Issue aims to encourage worldwide researchers to share their scientific and technological knowledge on environmentally relevant nanomaterial behavior and transformations. In this Special Issue, we invite investigators to contribute original research articles, as well as review articles that are related to behavior and transformations of nanomaterials in different environments. We are particularly interested in research that works toward understanding the longer-term effects of nanomaterial transformations both when released into the environment during their use or at the end of their use and also when incorporated in consumer products.

Guest Editors

Dr. Sophie Marie Briffa

Department of Metallurgy and Materials Engineering, University of Malta, Msida, Malta

Dr. Hanuma Reddy Tiyyagura

Department of Metallurgy and Materials Engineering, University of Malta, Msida, Malta

Deadline for manuscript submissions

closed (31 July 2023)



Coatings

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 5.0



mdpi.com/si/119726

Coatings

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 2.9
CiteScore 5.0



[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)