





an Open Access Journal by MDPI

# **Advances in the Science and Technology of Coating**

Guest Editors:

### Dr. Reza Javaherdashti

CEO of MICCOR, 7554 NT Hengelo, The Netherlands

#### Dr. Arezoo Assarian

CEO, Head of Coating Department, Eninco Engineering BV, Hengelo, The Netherlands

Deadline for manuscript submissions: **closed (31 October 2022)** 

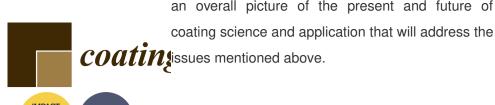
# **Message from the Guest Editors**

In this Special Issue

Corrosion is a thermodynamic process that cannot be stopped but only controlled. Perhaps the most convenient is the use of coatings in which corrosion can be controlled. When coatings are applied, there are two main factors that can affect their integrity: external factors, such as environmental factors that can damage the material of the coating, and internal factors that mainly affect the adhesion of the coating to its substrate. The science of coatings must deal with both sets of factors: on the one hand, the quality of the coating ingredients must be sufficient to allow the formation of defect-free coverage on the substrate; on the other hand, the adhesion must be sufficiently high to ensure an excellent connection between the coating material and the substrate. The loss of sufficient adhesion can cause premature deterioration and failure of the coating, which, in turn, brings about a lot of unwanted environmental and economic consequences and costs.



mdpi.com/si/105914



**IMPACT** CITESCORE FACTOR 2.9 5.0

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

### **Author Benefits**

# 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.

Open Access: free for readers, with article processing charges (APC) paid by authors or dedicated to the vibrant field of surface science and their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec, that report cutting-edge results and review papers that 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