



## Mechanical Properties and Structural Analysis of Coatings and Engineered Surfaces

Guest Editors:

**Dr. Mattia Merlin**

Department of Engineering (DE),  
University of Ferrara, Via Saragat  
1, 44122 Ferrara, Italy

**Dr. Annalisa Fortini**

Department of Engineering,  
University of Ferrara, Via Saragat  
1/E, 44122 Ferrara, Italy

Deadline for manuscript  
submissions:

**closed (31 March 2021)**

### Message from the Guest Editors

Dear Colleagues,

It is our pleasure to announce to you the Special Issue of Coatings, dedicated to the "Mechanical Properties and Structural Analysis of Coatings and Engineered Surfaces", and to invite you to submit your valuable contribution.

The enhancement of life and the performance of metal engineering components is mainly determined by surface characteristics. Several attempts have been made to challenge the wear of metals by tuning the physical, chemical, mechanical, and metallurgical properties of their surfaces. Research advances in the designing, processing, and characterizing of textured surfaces broadly support innovative industrial applications and products. Engineered surfaces are expected to offer enhanced characteristics in order to tackle surface degradation, and thus improve the performance and reliability of the metal components.

This Special Issue is aimed at presenting the latest developments in this field, through both original research papers and review articles.

Dr. Mattia Merlin  
Dr. Annalisa Fortini  
*Guest Editors*





## 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

## 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.

## 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, 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