coatings

an Open Access Journal by MDPI

IMPACT FACTOR 2.9

CITESCORE 5.0

Progresses and Challenges in Experimental Characterization of Coatings

Guest Editors:

Dr. Giovanni Pappalettera
Dipartimento di Meccanica, Matematica e Management, Politecnico di Bari, via Orabona 4, 70125 Bari, Italy

Dr. Claudia Barile
Dipartimento di Meccanica, Matematica e Management, Politecnico di Bari, Via Orabona 4, 70125 Bari, Italy

Deadline for manuscript submissions:
closed (30 November 2021)

Message from the Guest Editors

Dear Colleagues,

We all know that adoption of coatings has spread widely in the last few decades. At present, coatings are required to satisfy higher levels of performances under heavier conditions; at the same time, an increased level of durability and often multifunctional properties should be addressed. The assessment and the achievement of these targets requires, as a direct consequence, the improvement of the experimental analysis techniques in order to obtain a more accurate, complete, and detailed information about the coating behavior. The aim of this Special Issue is to host the most recent and advanced methods in experimental characterization of coatings.

In particular, the topics of interest include but are not limited to:

-Development of new techniques for coating characterization;
-Residual stress measurement in coatings;
-Durability evaluation of coatings;
-Full-field, optical methods for coating evaluation;
-Measurement of wear, corrosion, and erosion effects;
-Acoustic methods for under film corrosion analysis;
-Experimental analysis of multifunctional coatings;
-Nondestructive methods for coating characterization.

coatings

an Open Access Journal by MDPI

IMPACT FACTOR 2.9

CITESCORE 5.0

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