

Multifunctional Coating for Packaging Applications

Guest Editor:

Dr. Monica BollaniConsiglio Nazionale delle
Ricerche, Rome, ItalyDeadline for manuscript
submissions:**closed (31 December 2021)**

Message from the Guest Editor

Dear Colleagues,

Recent theoretical and experimental developments in multifunctional coatings as single or multilayers covering plastic, metallic, and semiconductor substrates are among the most highly-exploited research systems in the sensing, engineering, and food industries. Multifunctional coating exploits novel technologies focusing on biocompatibility, green, nontoxic, and environmentally-friendly approaches to reach the final goal of serving agrifood industrial needs.

This Special Issue will serve as a forum for papers in the following concepts:

Recent developments in multifunctional organic, inorganic, hybrid coatings;

Coatings produced by different processes, including but not limited to additive manufacturing processes, thermal spray, laser and plasma processing, CVD, and plating;

Experimental and processing high-performance coatings with exposure to high temperatures, high stress, and other extreme environment applications;

Computer modeling, simulation to predict coating properties, performance and reliability in service environments.



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 called for to produce technologies and improve knowledge 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 at the center of most contemporary research. Surface science and engineering play a key role in this regard. Refining surfaces and their modifications provides new materials, architectures and processes with a huge potential to aid most societal challenges. *Coatings* is a well-established, peer-reviewed, online journal that focuses on the dissemination of publications in the field of surface science and engineering. *Coatings* publishes original research articles that report cutting-edge results and review papers on the hottest 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 (*Materials Science, Coatings & Films*) / CiteScore - Q2 (*Surfaces and Interfaces*)

Contact Us

Coatings Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/coatings
coatings@mdpi.com
[X@Coatings_MDPI](https://twitter.com/Coatings_MDPI)