

Special Issue

Multifunctional Coating for Packaging Applications

Message from the Guest Editor

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.

Guest Editor

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Deadline for manuscript submissions

closed (31 December 2021)



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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.

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