

Special Issue

Nanostructures for Biomedical Applications

Message from the Guest Editors

This Special Issue is dedicated to research with the aim of manufacturing nanostructures for surface's functionalisation to be exploited in a wide spectrum of biological and medical applications. Through a surface's functionalization, new opportunities arise by extending the range of properties or even adding different functionalities, from antimicrobial effects to drug delivery vectors or from tissue engineering to innovative medical devices. The most important approaches to functionalise surfaces are (i) by covering them with thin layer/multilayers /coatings and (ii) by texturing-applying methods ranging from laser irradiation to chemical corrosion. We invite the scientific community to contribute new/original research articles and reviews describing the relevant properties for the biomedical field, synthesis, and characterization of nanostructures. We look forward to receiving your contributions.

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Deadline for manuscript submissions

closed (20 October 2024)



Coatings

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.4



mdpi.com/si/163278

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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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