

Special Issue

Functional and Self-Assembled Nanostructured Films for Biomedical Applications

Message from the Guest Editor

Self-assembled nanostructured materials with applications in medicine have been the focus of the scientific community due to the possibility to develop complex and functional systems using easy and versatile methods of fabrication. The ability of self-assembled molecular systems to create patterned and organized surfaces, at nano- or molecular scale, allows the possibility to obtain smart and functional materials with multiple properties considering that a biomedical device needs to be biocompatible, biodegradable if possible, and in some cases small or with nanodimensions. This Special Issue intends to give an overview of the latest developments in biomedical devices based on self-assembled molecular structures with particular emphasis on smart and functional nanostructured films with applications in biomedical devices, including nanomaterials, nanostructured drug delivery systems, biocompatible self-assembled monolayers, two-dimensional and layered materials, nanocoatings, nanoparticles, and other related subjects.

Guest Editor

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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