



Surface Functionalization Processes for New Multifunctional Materials

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Deadline for manuscript
submissions:

closed (10 August 2022)

Message from the Guest Editor

The ability to control, modify, and tune surface chemical and physical properties of materials is extremely important when specific functionalities are sought. The functionalization of inorganic nanostructured materials is highly appealing for biosensing, drug delivery, bioimaging, theranostics, and is also a promising approach for water treatment and environmental bioremediation. Finally, organic monolayers can tune the electronic properties of metals and semiconductors for the realization of advanced electronic and optoelectronic devices.

The common goal is to modify the surface properties by adding specific chemical groups or nanostructures, typically a very thin film, to achieve new features, towards a new class of advanced multifunctional materials for applications in sensing, electronics, and biomedical.

This Special Issue will explore the most promising techniques and materials that focus on surface functionalization, to integrate different properties towards multifunctionality. It is my pleasure to invite you to submit a manuscript for this Special Issue. Full papers, communications, and reviews related to structural analysis are all welcome.





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Message from the Editor-in-Chief

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