

Special Issue

Multifunctional Materials for Biomedical Application

Message from the Guest Editors

The ageing of modern societies, followed by the growing prevalence of diseases of civilization, leaves biomedicine currently facing the urgent need to develop new treatments and therapeutic strategies to promote the healing of a damaged tissue or to enhance the functional recovery of an organ. Multifunctional materials draw attention in various biomedical applications, thanks to their customizable structures and functions to guide and control their interaction with specific target molecules, cells, and tissues. In this sense, they represent versatile platforms for a broad range of applications with potential use in numerous biomedical areas, including regenerative medicine, tissue engineering, drug delivery, diagnostics and sensing, in vitro and in vivo imaging and therapeutic techniques. This Special Issue focuses on research related to the design, synthesis, and fabrication of multifunctional materials as well as to their physicochemical and biological characterization. Full articles, short communications, and review articles are welcome.

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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.

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