

Special Issue

Nanotechnology: A Powerful Tool in the Scope of Tissue Engineering Domain

Message from the Guest Editors

The concept of biomaterials emerged due to the necessity of replacing living systems. For a long time, the medical applications of biomaterials were considered based on their interactions with biological systems. Today, nanotechnology has allowed biomaterials to succeed in a wide range of medical or pharmaceutical applications (tissue engineering, drug delivery, microfluidics), while the next generation of biomaterials are under development using innovative strategies. The unique developed materials aim to mimic the key features of natural biological materials, to reveal the limitation of current methodologies and materials and provide new insights for the evolution of biomaterials. In this context, this Special Issue on “Nanotechnology: A Powerful Tool in the Scope of Tissue Engineering Domain” aims to underline novel modalities, strategies, technologies, pathways, applications, or biomaterials that are under research. Complex reviews that value the current advances and future perspectives within the biomaterials domain are encouraged.

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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