Special Issue

Micro/Nanostructures and Micro/Nanodevices for Tissue Engineering and Biomedicine

Message from the Guest Editors

Nanotechnology is a rapidly evolving multidisciplinary science dealing with nanoscale materials, providing a cutting-edge platform for research in tissue engineering and biomedicine, where the unique traits of distinct nanostructures permit the design of biomaterials with augmented properties. Nanoscience offers new wisdom in drug design, biosensors and chemical sensors, the targeted delivery of therapeutics, diagnosis, and theranostics in a controlled fashion for personalized health care, offering incredible benefits as chemotherapeutic agents, imaging agents, and immunotherapeutic agents for treating or diagnosing several chronic human diseases. This Special Issue will focus on the Micro/Nanostructures and Micro/Nanodevices for Tissue Engineering and Biomedicine, aiming to improve the regeneration of impaired tissues and organs using various distinct nanostructures or devices with micro/nanostructuresbased architectures in drug delivery, imaging, and theranostics, but not confined to the above.

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