

Special Issue

Functional Nanomaterials and Nanocomposites for Biomedical Application

Message from the Guest Editor

Using nanomaterials for biomedical applications could provide a breakthrough solution for diagnosing and treating diseases such as cancer, cardiovascular diseases, and neuronal diseases. Many types of nanoparticles, including those metallic, polymeric, and semiconducting, exhibit specific functions depending on their type, size, and conjugated ligand. However, pristine nanoparticles cannot perform their function in clinical circumstances due to dissipation. Therefore, nanoparticles have been integrated with other materials (e.g., hydrogels, elastomers, and bioelectronics) to fix their location inside the body. In addition, the integrated nanocomposite exhibits functions of nanomaterials as well as the properties of the matrix. Therefore, the nanocomposite has demonstrated its practical potential in various biomedical applications. We welcome contributions from a wide community of scientists working on nanotechnology in biomedical fields. As the significance of nanotechnology has risen dramatically, we look forward to collecting novel manuscripts that address recent nanotechnological advances in biomedical fields in this Special Issue.

Guest Editor

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