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Manufacturing, Characterization and Biomedical Applications of Advanced Micro/Nanocomposites

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Message from the Guest Editors

Advances in nanotechnology have empowered the design of biomedicine, biosensing, and biomedical engineering. To address the current clinical problems, researchers have been centering on developing next-generation nanocomposites/nanobiomaterials that combine unprecedented mechanical properties, biological functions, and translational capacity.

In recent years, the use of nanoparticles has been trending in the research community in physics, materials science, and biomedical applications. In many areas of chemistry, inorganic/organic, polymeric nanoparticles, and hybrid nanomaterials with unique dynamic properties have been intensively explored. Their unique properties accelerate the development of advanced drug delivery systems, bio-sensing and -imaging, and other relevant biomedical applications.

This Special Issue will address all areas of micro/nanocomposites, e.g., manufacturing, characterization, and biomedical applications through advanced nanotechnology.