



Latest Advances on Nanoparticles for Modern Biomedicine

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Capitalizing on the properties of materials at the nanoscale, modern biomedicine takes as its basis nanomedicine, a promising field that uses nanoparticles as carriers of drugs and agents for the diagnostics of socially significant diseases, including cancer.

Nanoparticles can be readily tailored to provide a combination of therapeutic effects either by themselves or via the encapsulation of multiple drugs. In addition, they can be applied in multiple imaging modalities to enable image-guided precision therapy and monitor therapeutic action in real time. Promising results have been obtained using therapeutic and imaging molecules capable of recognizing different tumor-associated antigens on a tumor cell.

This Special Issue of the International Journal of Molecular Sciences will discuss, collect, and offer recent highlights and advances in the synthesis, characterization, and functionalization of nanoparticles and their composites, the study and application of their multimodal properties, and different types of nanoformulations for nanotheranostics, including in nuclear nanomedicine and radiology.





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Message from the Editor-in-Chief

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