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Nanoparticles for Biomedical Application

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Message from the Guest Editor

For the past three decades, the rapid development of nanotechnology has resulted in the growing implementation of nanoparticles (NP) in the field of biomedicine as vehicles for drug delivery, diagnostic imaging, and theranostic application. Clinically approved and investigational nano-based drug formulations have been applied to a variety of indications, such as cancer, infectious diseases, neurodegenerative disorders, or tissue engineering. Although most of the NP drug delivery systems are well characterized in vitro and exhibit improved therapeutic efficacy when compared to classical treatment with the free drug, in vivo clinical effects are not always encouraging and are often incomplete or are lacking altogether. It is, therefore, of paramount importance to systemize and present the latest developments in the field of NP in biomedical application.

In this Special Issue Nanoparticles for Biomedical Applications, including in vitro and in vivo studies, are highlighted and discussed. It is my pleasure to invite you to submit a manuscript for this Special Issue. Full papers, communications, and reviews are all welcome.





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Editor-in-Chief

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Message from the Editor-in-Chief

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