



Recent Applications of PLGA-Based Nanoparticles in Drug Delivery

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Message from the Guest Editor

Among the different polymer-based drug delivery systems, poly (lactic-co-glycolic acid) (PLGA), the synthetic block copolymer of lactic acid and glycolic acid, is one of the leading carriers in modern biomedical investigations both in local, long-term, and targeted drug delivery. Their popularity arises from their favorable physicochemical properties, their versatility towards modification, their biocompatibility, and their ability to improve the distribution and bioavailability of pharmaceuticals. PLGA also plays an important role in the development of controlled and targeted drug delivery systems in the form of nanoparticles, microcapsules, and matrices.

The Special Issue aims to present novel PLGA-based treatment strategies, including encapsulation and transport of pharmaceuticals, in the treatment of various diseases and disorders. Topics may also include any aspects of the design, characterization, and functionalization of PLGA-containing delivery systems. State-of-the-art research on promising systems with both in vitro and in vivo analysis and controlled release with potential pre-clinical application is also welcome.





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Message from the Editor-in-Chief

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