



## Chitosan and Its Derivatives Functionalized Drug Delivery Systems for Biomedical Application

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### Message from the Guest Editors

Dear Colleagues,

Chitosan, as the only naturally occurring polycationic polysaccharide, has been widely implicated in the design of drug delivery systems for various biomedical applications due to its considerable biocompatibility and biodegradability. Furthermore, chitosan derivatives obtained via chemical modification of functional groups always display better stability and higher water solubility than chitosan, which also hold promising potential in broadening the application than its predecessors, such as drug delivery, antibacterial activity or anticancer capabilities. Glycated Chitosan and N-dihydro-galacto-chitosan, respectively, are combined with thermal ablation or laser strategy for tumor therapy in clinical trials, where chitosan derivatives act as adjuvants.

This Special Issue aims to invite submissions concerning new trends in the biomedical application of chitosan and its derivatives. Contributions may focus on chitosan and its derivatives functionalized drug delivery systems, such as hydrogels, micelles or multi-component nanoscale systems. In this Special Issue, original research articles and reviews are welcome.





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