

## Special Issue

# Medical Applications of Chitosan Nanoparticles

### Message from the Guest Editors

Among the vast variety of biopolymers, chitosan stands out as one of the most widely used due to its exceptional physicochemical and biological properties. Currently, it plays a crucial role in the design and synthesis of promising biomaterials across different scales, ranging from nanometric to macroscopic structures, including nanoparticles, films, and hydrogels. Undoubtedly, chitosan-based nanoparticles offer a significant advantage in pharmaceutical and medical applications, particularly in drug delivery systems, and in the surface coating of organic or inorganic nanoparticles. This is attributed to their biocompatibility, non-cytotoxicity, antibacterial properties, and mucoadhesive nature, along with their cost-effectiveness and environmentally friendly synthesis approaches. This Special Issue aims to compile research manuscripts that provide readers with comprehensive overviews of the promising applications of chitosan-based nanoparticles, particularly their potential in medical and pharmaceutical fields.

### Guest Editors

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### Deadline for manuscript submissions

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## Pharmaceutics

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