

Potential of Calcium Carbonate Nanoparticles for Therapeutic Applications

ABSTRACT

The application of nanoparticles (NPs) has attracted considerable attention as targeted delivery systems. CaCO₃ has become the focus due to its advantages including affordability, low toxicity, biocompatibility, cytocompatibility, pH sensitivity and sedate biodegradability and environment friendly materials. In this article, we will discuss the potential roles of CaCO₃ -NPs in three major therapeutic applications; as antimicrobial, for drug delivery, and as gene delivery nanocarrier.