

## **Potential of Calcium Carbonate Nanoparticles for Therapeutic Applications**

### **ABSTRACT**

The application of nanoparticles (NPs) has attracted considerable attention as targeted delivery systems. CaCO<sub>3</sub> 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 CaCO<sub>3</sub> -NPs in three major therapeutic applications; as antimicrobial, for drug delivery, and as gene delivery nanocarrier.