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Title: An Insight into functionalized Calcium based Inorganic Nanomaterials in Biomedicine: Trends and Transitions

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1 **Highlights of the present review**

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- 3 • Discussion on characteristic properties in comparison to other  
4 nanomaterials and method of preparation
- 5 • Focus is more on systemic applications than localized delivery
- 6 • Discussion on application in gene, protein and small molecules delivery  
7 for diseases like cancer, osteoporosis, diabetes and vaccination.
- 8 • Covers all the surface modification or functionalization that has been  
9 done to improve their applicability.
- 10 • Mineralization of calcium phosphate over other nanosized delivery  
11 systems
- 12 • Discussion on Major challenges in clinical application.

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