

ABSTRACT

NANOCOMPOSITE BONE REGENERATIVE MATERIAL COMPRISING METAL SILICATE

The present invention relates to a nanocomposite scaffold useful for bone regeneration comprising a polymer component and a ceramic component, and a process for its preparation. In particular, the present invention relates to a nanocomposite scaffold wherein the ceramic component is a metal silicate. The said scaffold displays enhanced cell proliferation, osteogenic, in-vitro cellular activity and bioactivity.

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