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Biodegradable Composites for Bone Regeneration

By Luigi Calandrelli, Paola Laurienzo, Mario Malinconico

Nova Science Publishers Inc. Paperback. Book Condition: new. BRAND NEW, Biodegradable Composites for Bone Regeneration, Luigi Calandrelli, Paola Laurienzo, Mario Malinconico, In the present book, after briefly summarising recent literature concerning modification and applications of these materials, several recent developments of bio-composites containing silica nanoparticles or calcium sulphate intended for bone regeneration are reported. The composites are characterised with respect to their chemical-physical and mechanical properties. Their bio-compatibility and capacity to induce the osteoblastic phenotype in human bone marrow mesenchymal stem cells have been assessed. The authors focus on two particular systems based on either natural or synthetic bio-polymers with different biofillers: alginate/chitosan blends with calcium sulphate and poly(-caprolactone) with silica nanoparticles.



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Reviews

It is a single of my favorite pdf. Yes, it is engage in, still an amazing and interesting literature. It is extremely difficult to leave it before concluding, once you begin to read the book.

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This is an amazing publication i actually have at any time go through. It is actually rally interesting throgh reading through period. Its been developed in an exceptionally straightforward way which is merely following i finished reading through this publication where actually altered me, modify the way in my opinion.

-- Noah Padberg