Supplementary Materials: Macroporous Calcium Phosphate/Chitosan Composites Prepared via Unidirectional Ice Segregation and Subsequent Freeze-Drying

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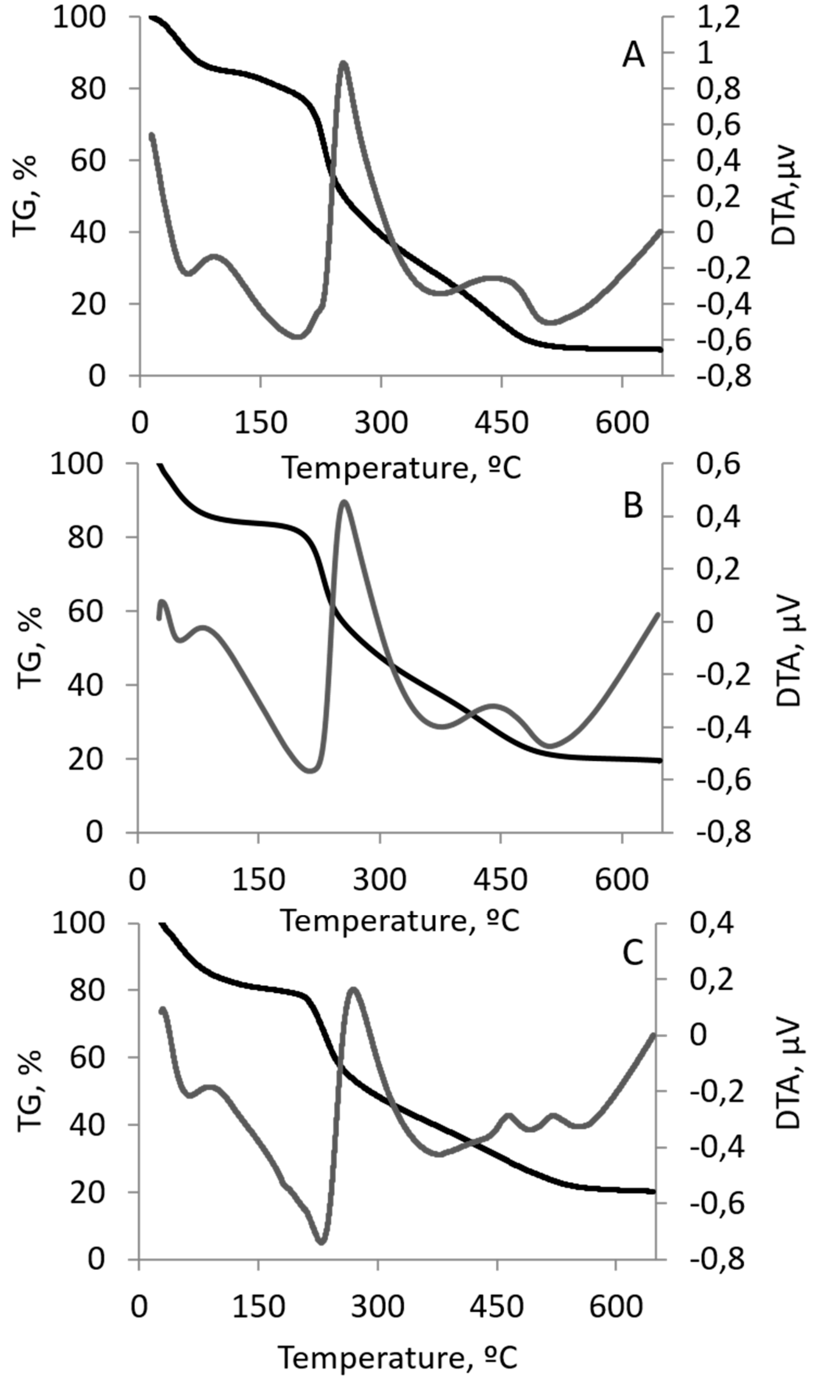

Figure S1. Thermogavimetric analysis of CSCaP composites. (**A**) CSCaP1, (**B**) CSCaP2 and (**C**) CSCaP3 samples.

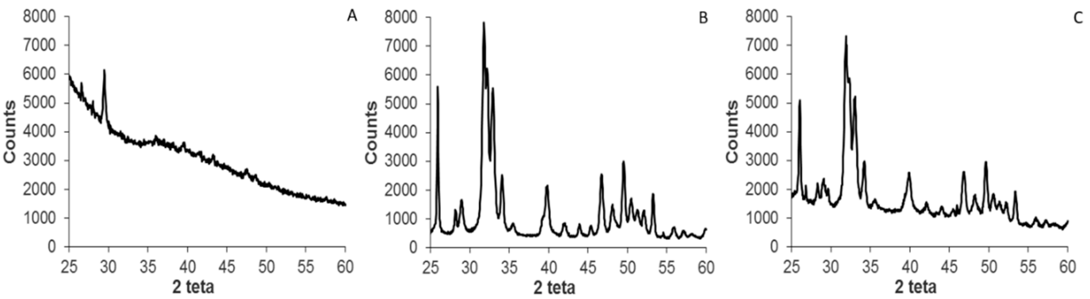

Figure S2. XRD pattern of (**A**) chitosan, (**B**) hydroxyapatite and (**C**) physical mixture of chitosan and hydroxyapatite.

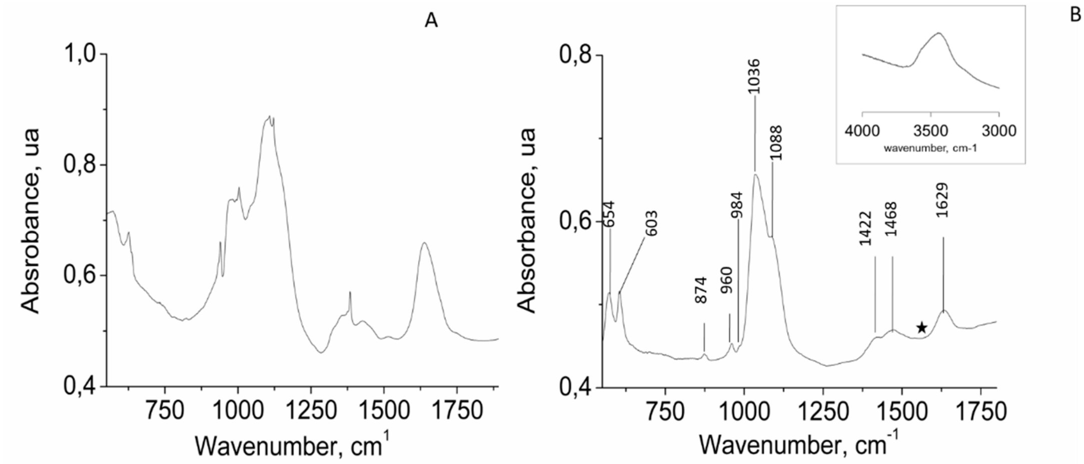

Figure S3. FTIR spectra of CSCaP1OP (**A**) and CSCaP1C (**B**) samples.

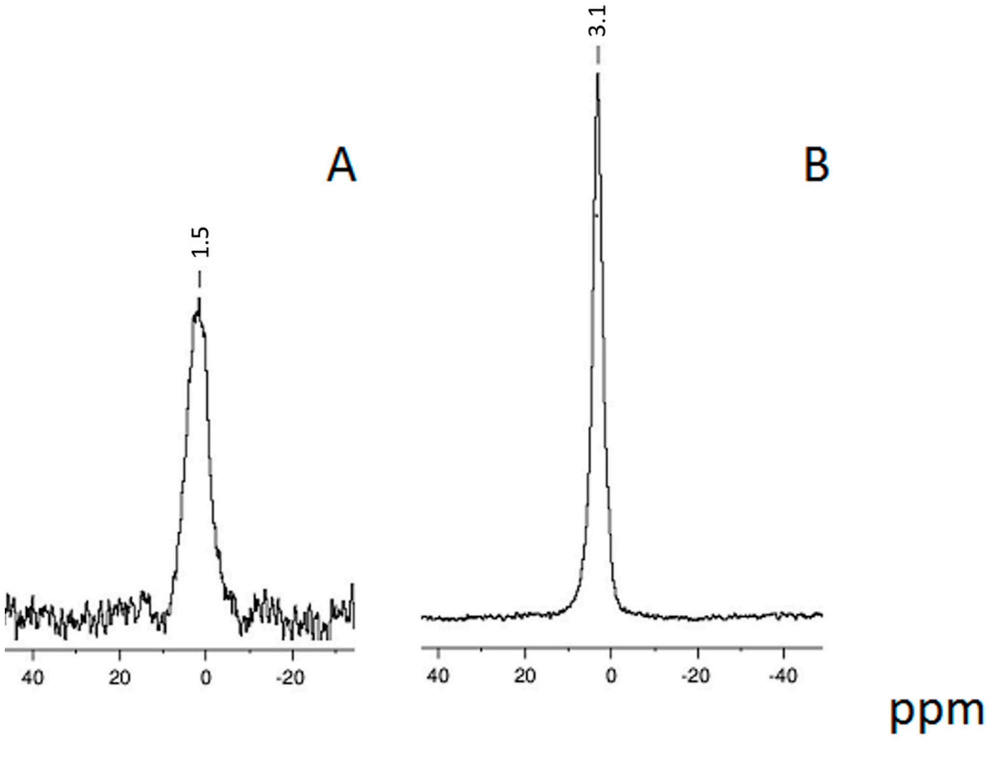

Figure S4. Typical 31P NMR spectra of CSCaP (**A**) and CSCaPC (**B**) samples.

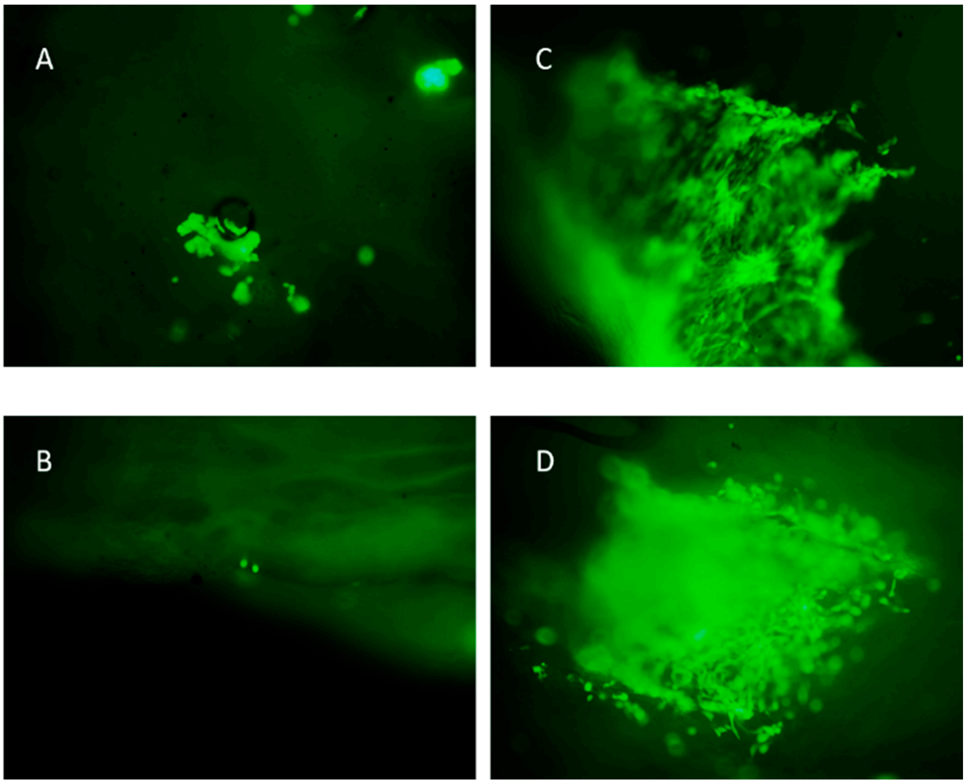

Figure S5. Fluorescence microscopy of premyoblastic C2C12-GFP cell culture at 7days. (**A**) CS scaffold, (**B**) CSCaP1 composite; (**C**) CSCaP2 composite and (**D**) CSCaP3 composite.

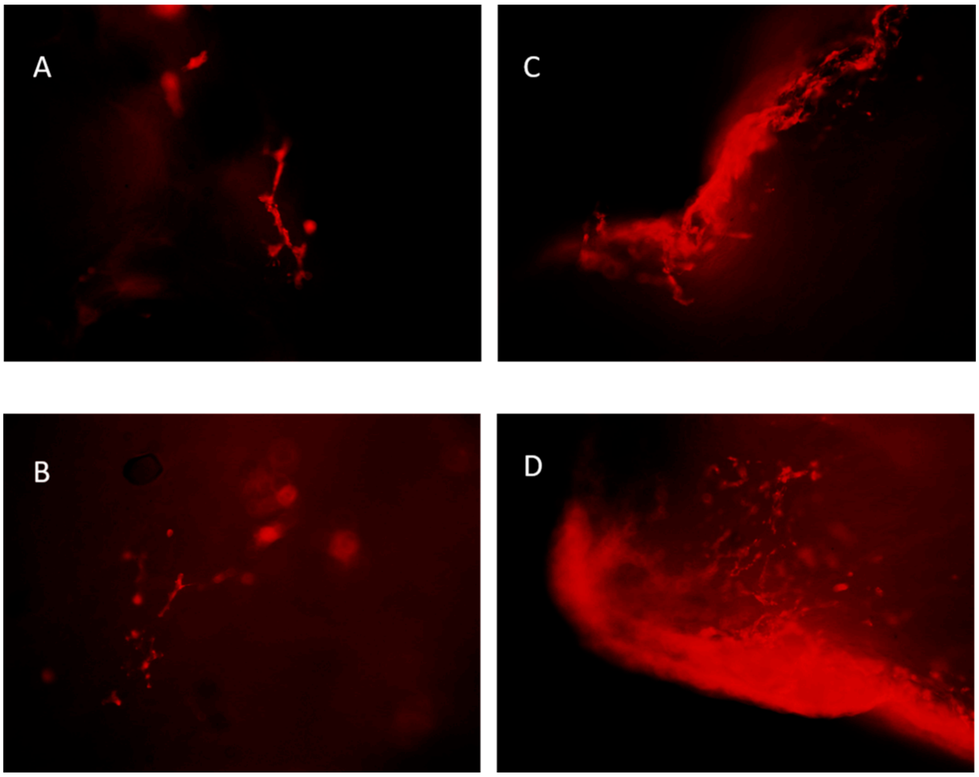

Figure S6. Actin staining of osteoblastic MC3T3 cell culture at 7 days. (**A**) CS scaffold, (**B**) CSCaP1 composite; (**C**) CSCaP2 composite and (**D**) CSCaP3 composite.