

Supplementary Materials

Fabrication and Evaluation of Alginate/Bacterial Cellulose Nanocrystals–Chitosan–Gelatin Composite Scaffolds

Zhengyue Li ^{1,2,3}, Xiuqiong Chen ^{1,2,3}, Chaoling Bao ^{2,3}, Chang Liu ^{2,3}, Chunyang Liu ^{2,3}, Dongze Li ^{2,3}, Huiqiong Yan ^{1,2,3,*} and Qiang Lin ^{1,2,3,*}

¹ Key Laboratory of Tropical Medicinal Resource Chemistry of Ministry of Education, College of Chemistry and Chemical Engineering, Hainan Normal University, Haikou 571158, China; zhengyedu@163.com (Z.L.); chenxiuqiongedu@163.com (X.C.)

² Key Laboratory of Natural Polymer Functional Material of Haikou City, College of Chemistry and Chemical Engineering, Hainan Normal University, Haikou 571158, China; bcl0409@163.com (C.B.); liuchang202107@126.com (C.L.); liuchunyang212021@126.com (C.L.); dongzeli2019@163.com (D.L.)

³ Key Laboratory of Water Pollution Treatment & Resource Reuse of Hainan Province, College of Chemistry and Chemical Engineering, Hainan Normal University, Haikou 571158, China

* Correspondence: yanhqedu@163.com (H.Y.); linqiang@hainu.edu.cn (Q.L.); Tel.: +86-0898-6588-4995 (H.Y.); +86-0898-6588-9422 (Q.L.)

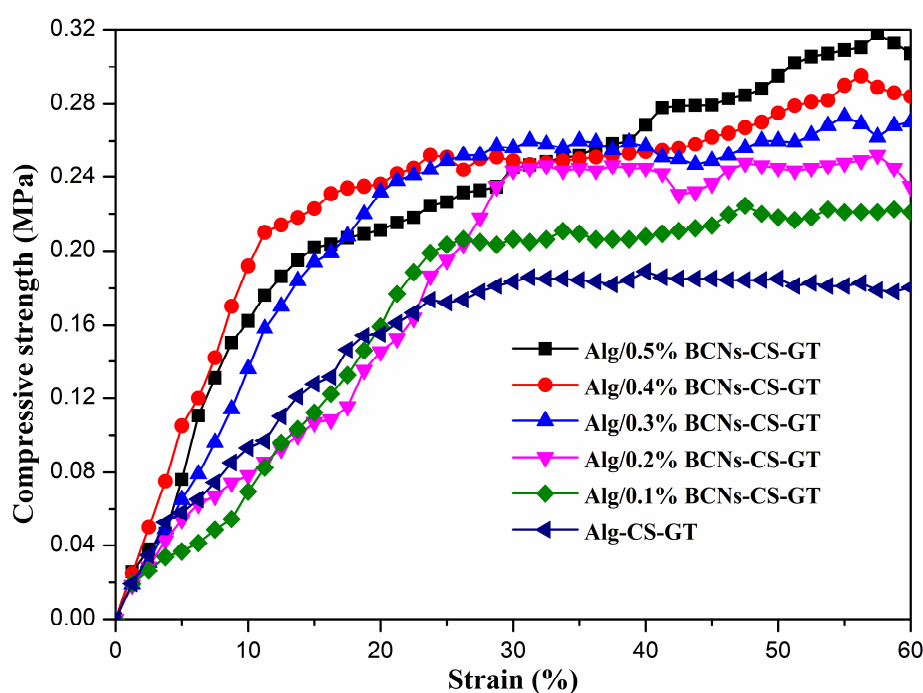


Figure S1. Stress-strain curves of the composite scaffolds.

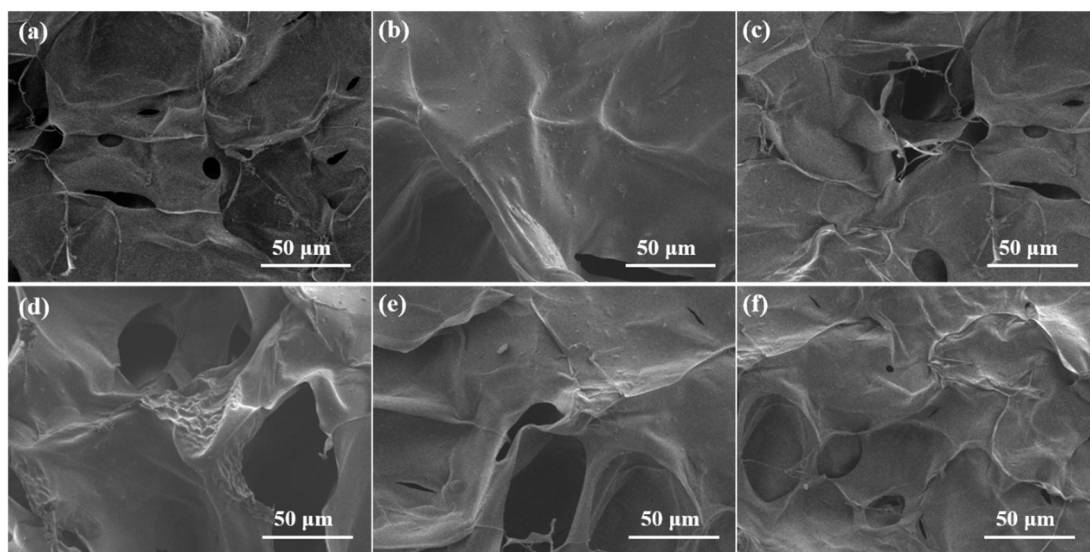


Figure S2. SEM images of the composite scaffolds without cells after incubation for 2 days: (a) Alg-CS-GT, (b) Alg/0.1% BCNs-CS-GT, (c) Alg/0.2% BCNs-CS-GT, (d) Alg/0.3% BCNs-CS-GT, (e) Alg/0.4% BCNs-CS-GT and (f) Alg/0.5% BCNs-CS-GT.

Table S1. Ca/P ratios evaluated based on EDX analysis after 14 days of incubation in SBF.

Sample	Ca/P ratio	Crystalline structure
Alg-CS-GT composite scaffolds	1.52	Apatite
Alg/0.3% BCNs-CS-GT composite scaffolds	1.59	Apatite