

Fig. S1 Overview of the SES fabricated scaffolds.

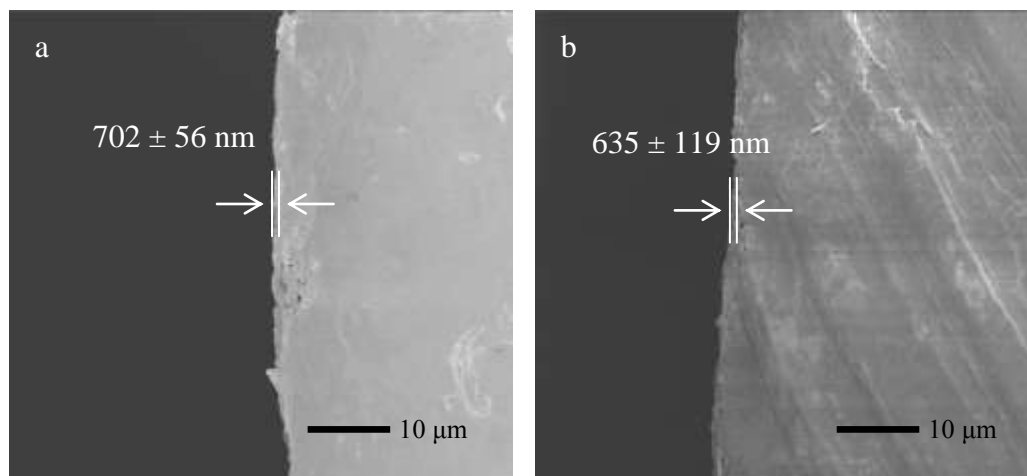


Fig. S2 SEM image of the cross-section of filament in (a) PCL/TCP(Si)-CHA and (b) PCL/TCP(Si)-CHA-gelatin scaffolds.

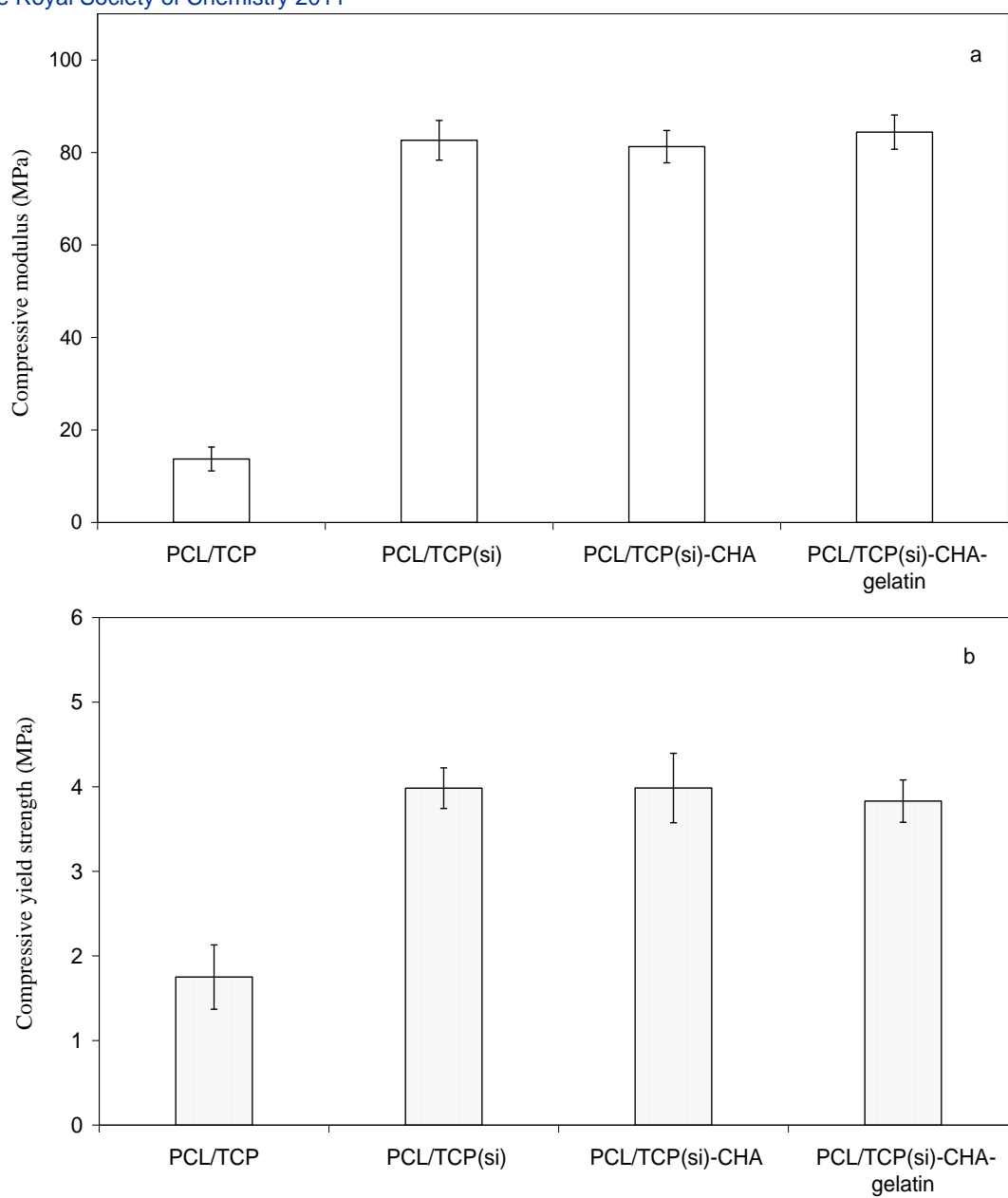


Fig. S3 Compressive modulus (a) and compressive yield strength (b) of PCL/TCP, PCL/TCP(Si), PCL/TCP(Si)-CHA and PCL/TCP(Si)-CHA-gelatin scaffolds. The concentration of GPTMS is 10 wt% in all PCL/TCP(Si).

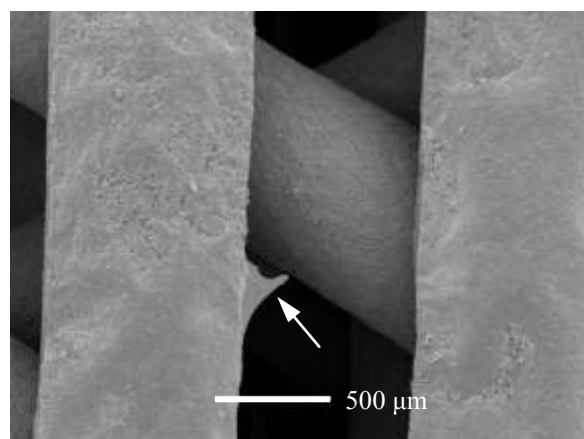


Fig. S4 SEM image of cell-scaffold construct of PCL/TCP(Si)-CHA-gelatin scaffolds at day 7. The arrow shows starting of tissue bridge formation.