polymers

MDPI

Supplementary Material

Effect of gelatin coating and GO incorporation on the properties and degradability of electrospun PCL scaffolds for bone tissue regeneration

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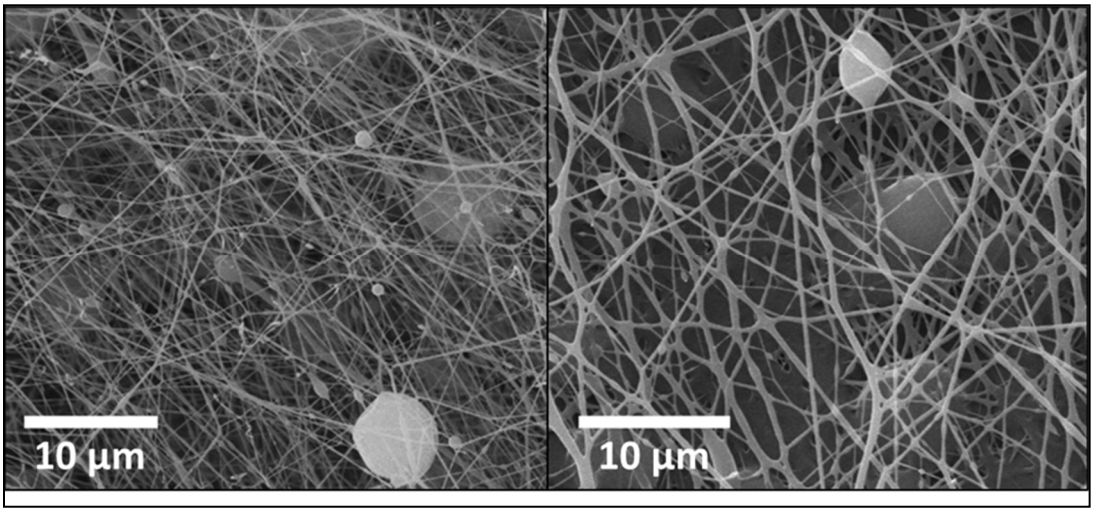

Figure S1. Image of SEM of PCL fibers obtained using only chloroform as a solvent.

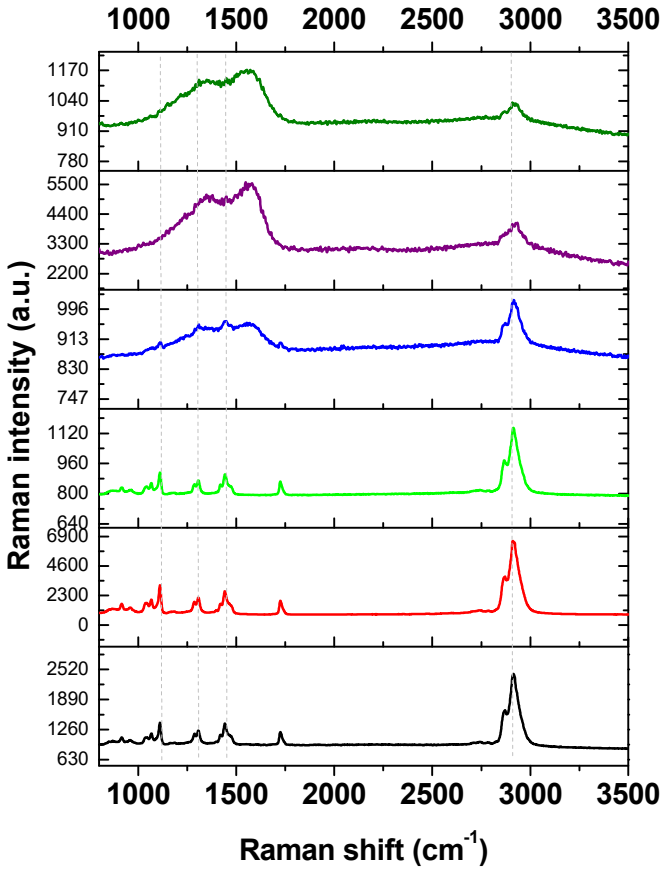

Figure S2. Raman intensity vs Raman shift for: PCL, PCL/1 wt%GO, PCL/2 wt%GO, Scaffold with SHINs: PCL/2 wt%GO intermediate spectrum, PCL/1 wt%GO, and PCL/2 wt%GO. (From bottom to top).

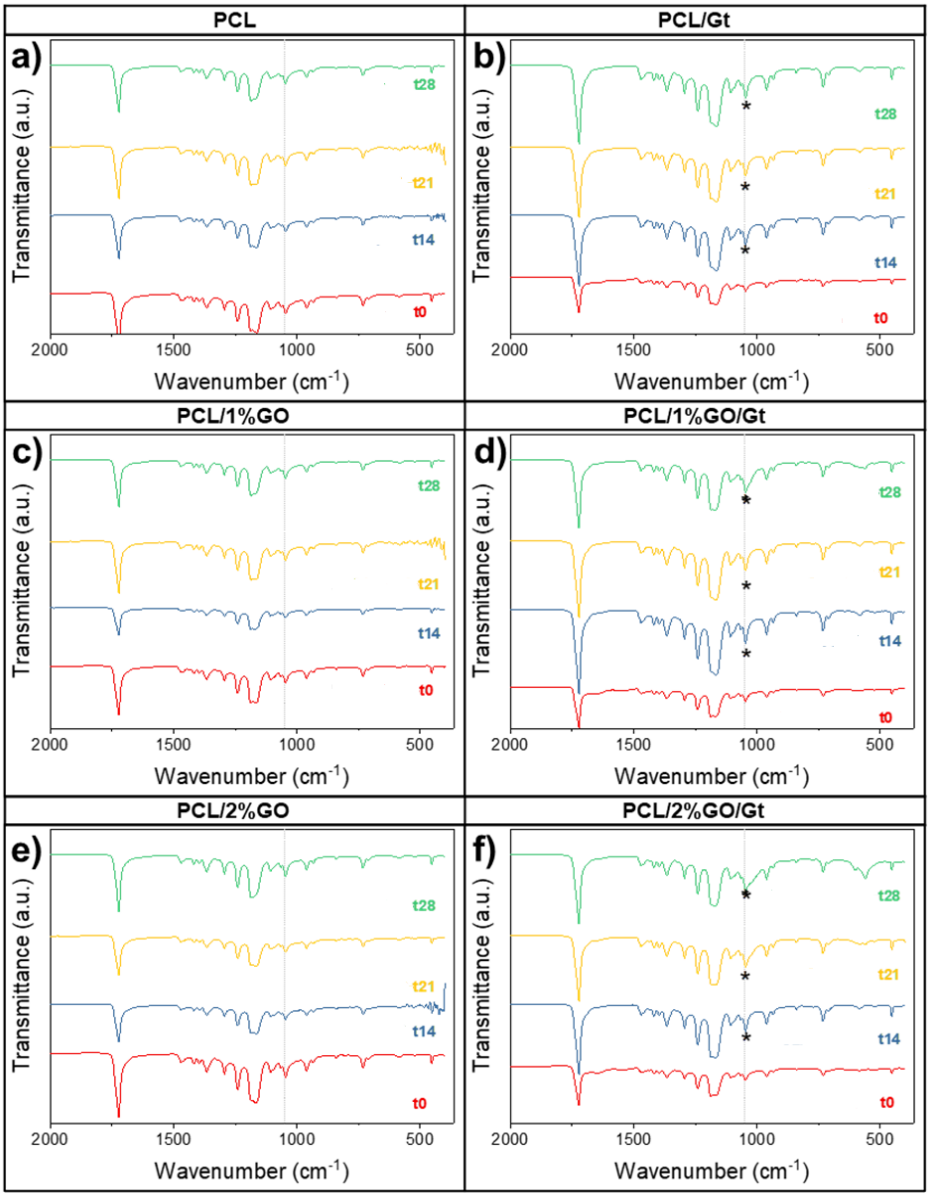

Figure S3. ATR-FTIR after 0, 14, 21, and 28 days of bioactivity assay for PCL, PCL/1 wt%GO, and PCL/2 wt %GO scaffolds, and gelatin-coated scaffolds: PCL/Gt; PCL/1 wt %GO/Gt, and PCL/2 wt%GO/Gt.

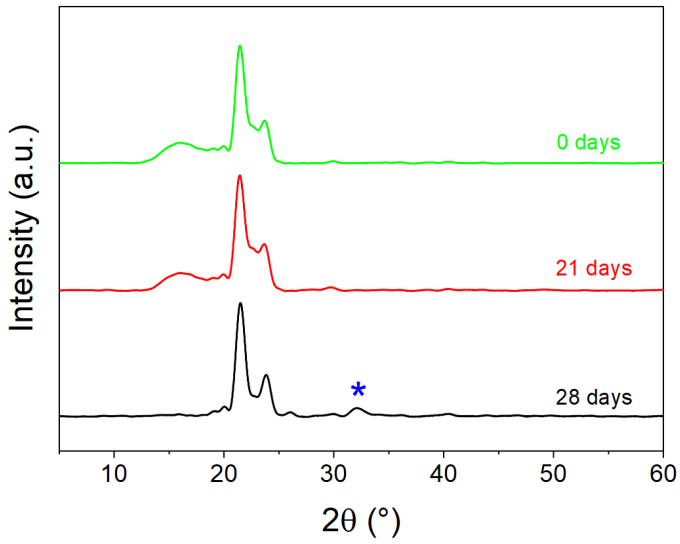

Figure S4. XRD after 0, 21, and 28 days of bioactivity assay for PCL/2 wt% GO/Gt.