Supplementary Information (SI) for RSC Advances.

Supplementary information

Enhancement of Antibacterial Activity in Electrospun Fibrous Membranes Based on Natural Compounds for Wound Dressing Applications

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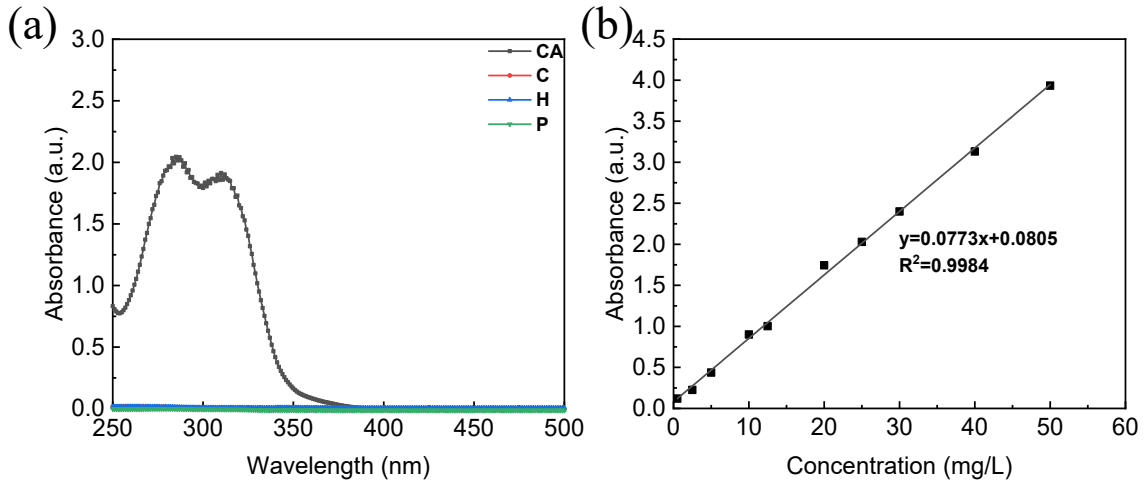

Fig. S1 (a) 250 to 500 nm UV/VIS spectra of caffeic acid (CA), chitosan (C), HTCC (H) and polyethylene oxide (P) dissolved in pH 7.4 PBS with a concentration of 25 mg/L; (b) Calibration line of caffeic acid measured at 283 nm ranging from 0.5 – 50 ppm.

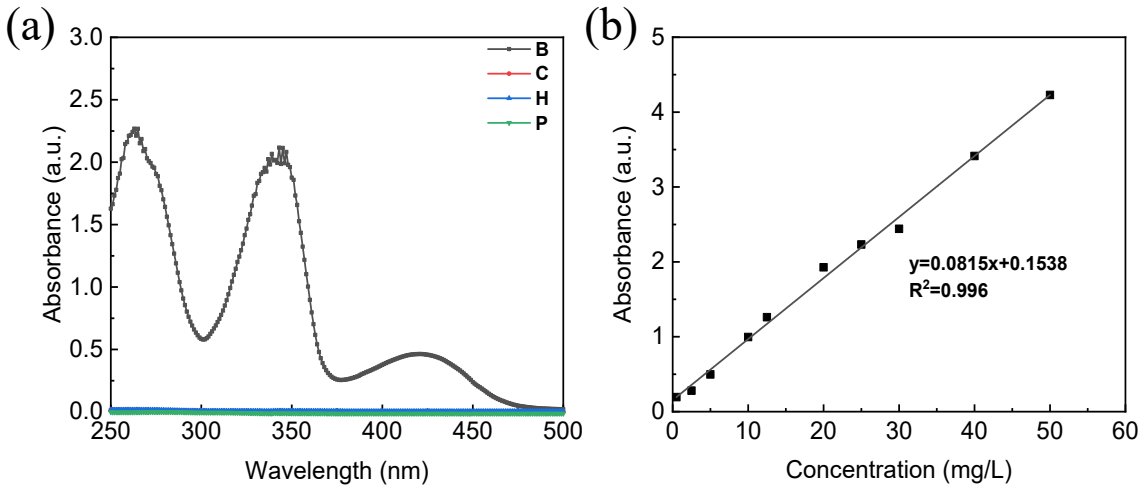

Fig. S2 (a) 250 to 500 nm UV/VIS spectra of berberine (B), chitosan (C), HTCC (H) and polyethylene oxide (P) dissolved in pH 7.4 PBS with a concentration of 25 mg/L; (b) Calibration line of berberine measured at 260 nm ranging from 0.5 – 50 ppm.

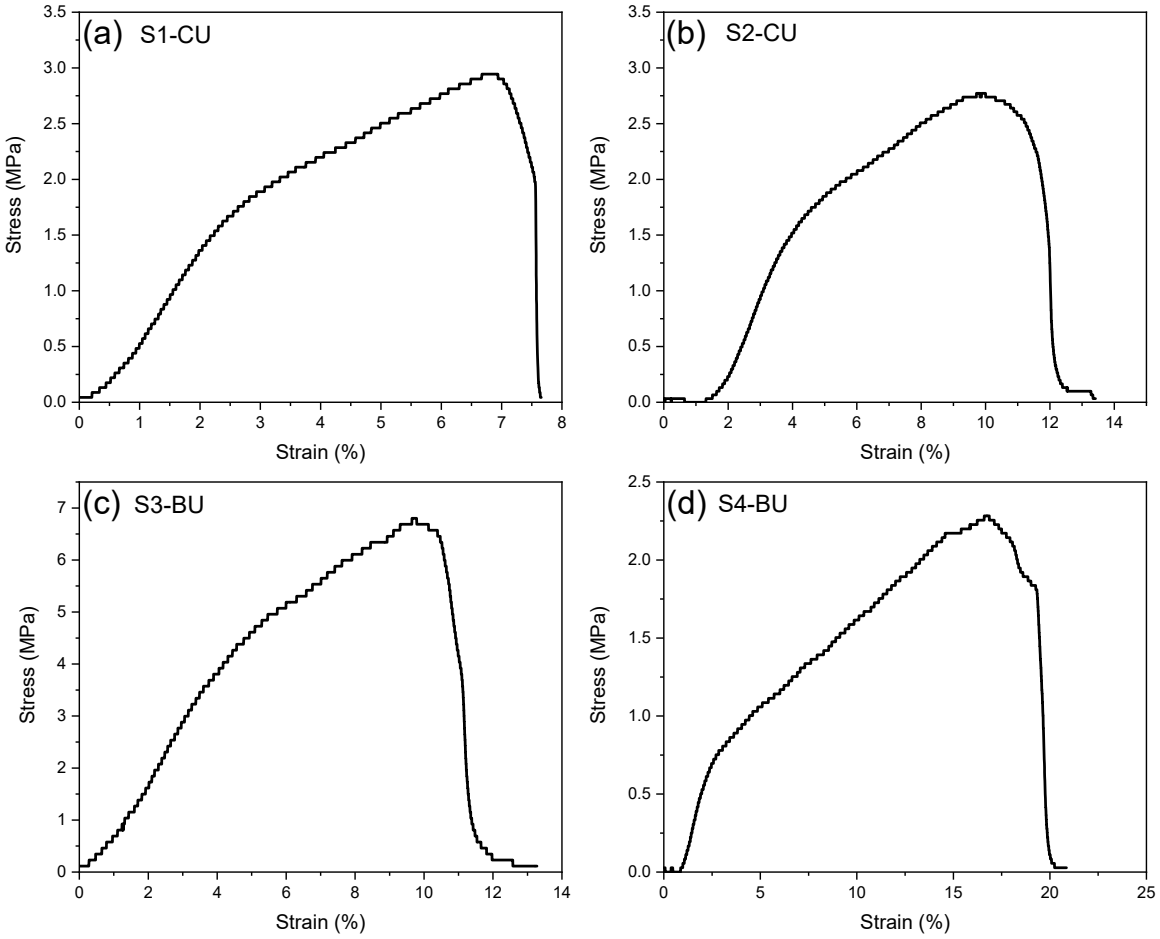

Fig. S3 Stress-strain curves of **(a)** S1-CU, **(b)** S2-CU, **(c)** S3-BU and **(d)** S4-BU electrospun nanofibers.