

Supplementary Materials: Multifunctional Nanofibrous Dressing with Antimicrobial and Anti-inflammatory Properties prepared by Needle-free Electrospinning

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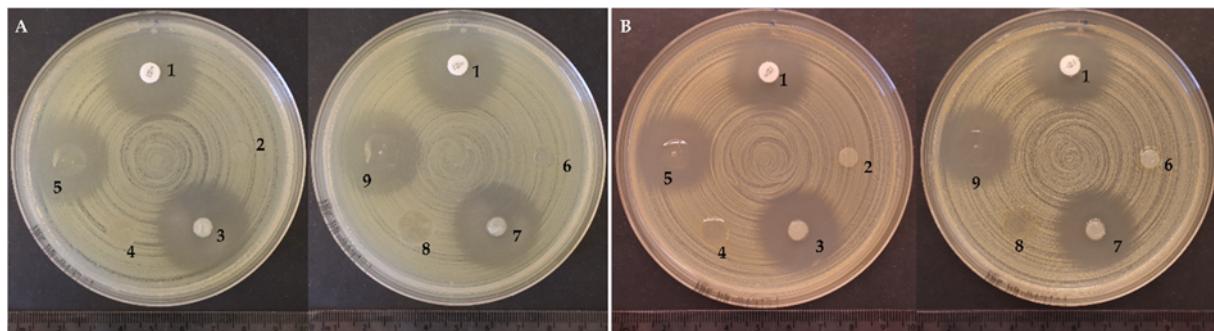


Figure S1. Antibacterial activity of nanofibers. Inhibition of (A) *E. coli* and (B) *S. aureus* by chloramphenicol (1, positive control), (2) β G-CHI-nf, (3) β G-CHI-CAM-nf, (4) β G, (5) β G-CAM-nf, (6) CHI-nf, (7) CHI-CAM-nf, (8) Copol-nf, (9) Copol-CAM-nf. Abbreviations: β G (β -glucan), CHI (chitosan), Copol (co-polymers: polyethylene oxide and hydroxypropylmethylcellulose), CAM (chloramphenicol), nf (nanofiber).

Table S1. Weight of the nanofibrous mats (square, 2 x 2 cm) used for the swelling index testing (n=3).

Batch	Weight nanofibrous mats (mg)	
	β G-CHI-CAM-nf	CHI-CAM-nf
1	6.3	11.5
	8.9	17.2
	7.2	8.8
2	4.5	9.1
	6.7	13.1
	8.8	10.1
3	4.3	4.8
	6.5	7.9
	6.7	10.5

Abbreviations: β G (β -glucan), CHI (chitosan), Copol (co-polymers: polyethylene oxide and hydroxypropylmethylcellulose), CAM (chloramphenicol), nf (nanofiber).

Table S2. Weight of the nanofibrous mats (round, diameter = 9 mm) used for the drug release testing (n=2).

Batch	Weight nanofibrous mats (mg)			
	β G-CHI-CAM-nf	β G-CAM-nf	CHI-CAM-nf	Copol-CAM-nf
1	9.0	9.6	9.8	8.3
	8.3	7.9	9.2	7.2
2	8.3	8.3	9.0	8.9
	8.8	7.9	9.6	8.3
3	10.6	9.4	11.5	10.1
	10.2	9.6	10.7	9.9

Abbreviations: β G (β -glucan), CHI (chitosan), Copol (co-polymers: polyethylene oxide and hydroxypropylmethylcellulose), CAM (chloramphenicol), nf (nanofiber).