

## Supplementary material

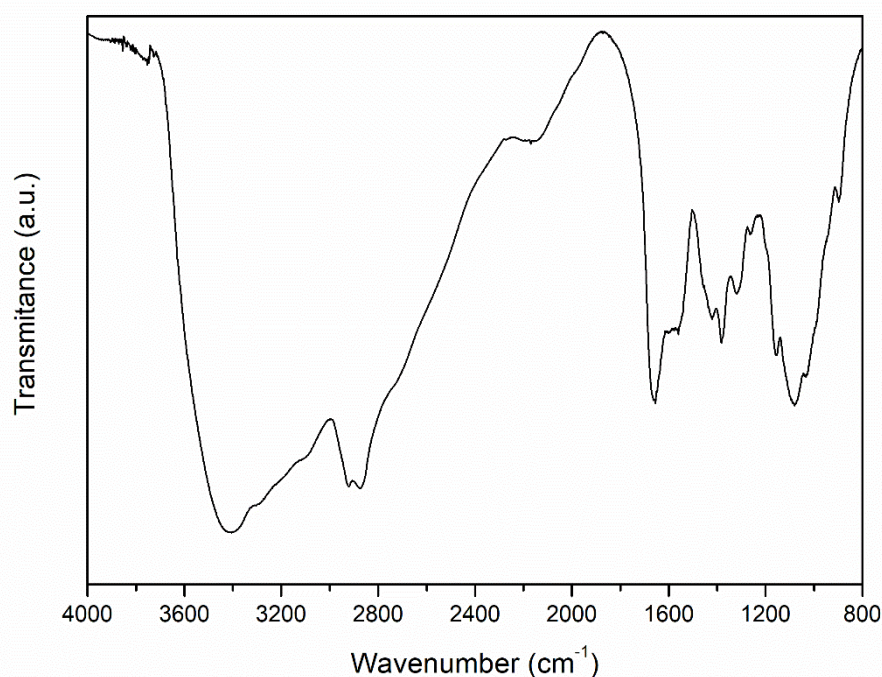
# Alternating Current Electrospinning of Polycaprolactone/Chitosan Nanofibers for Wound Healing Applications

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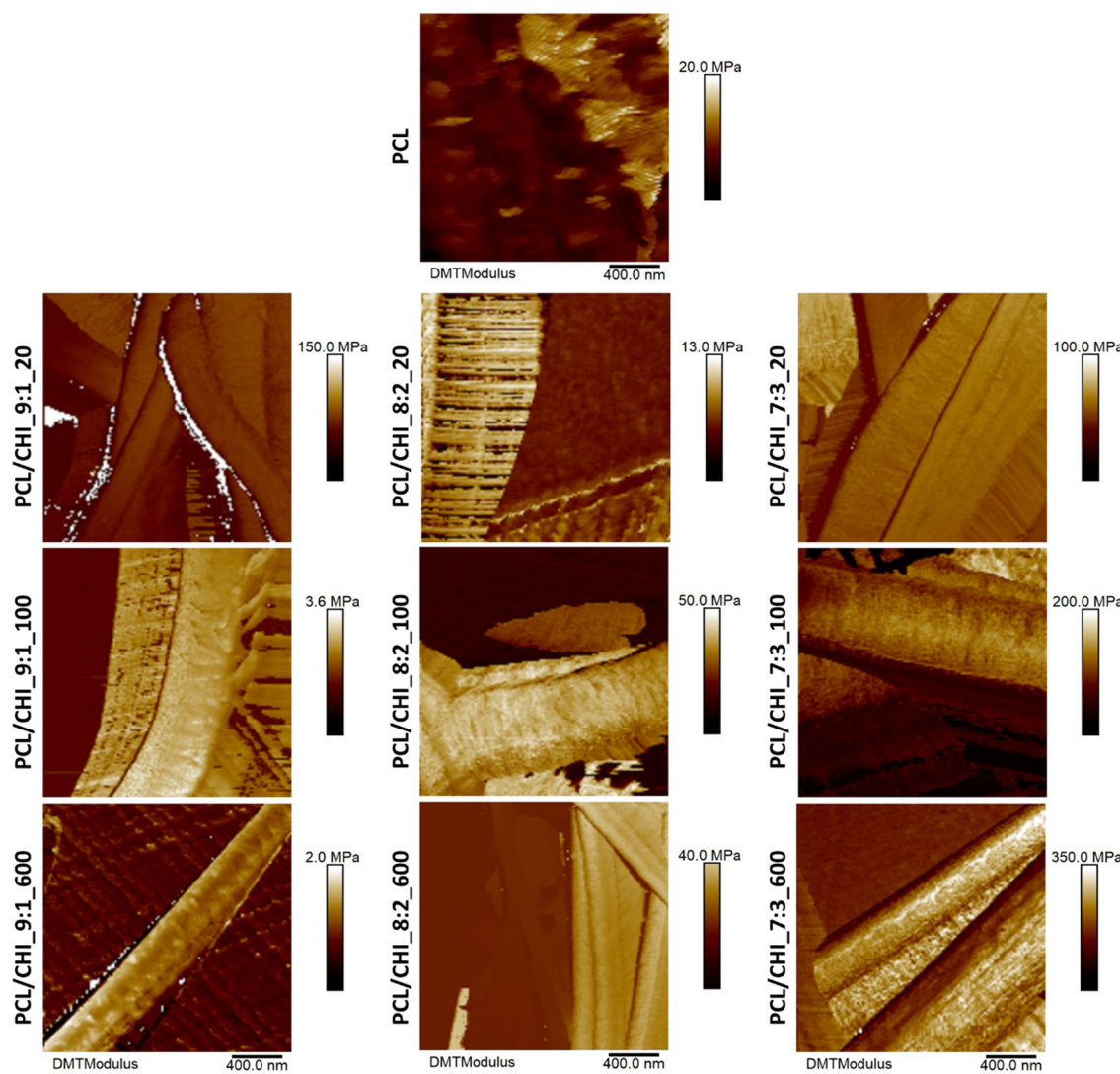
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**Figure S1.** FTIR spectra of pure CHI used to fabricate PCL/CHI nanofibers.

**Table S1.** Atomic compositions (%) of electrospun PCL and PCL/CHI nanofibers obtained by XPS.

Sample	Atomic composition (%)		
	C <sub>1s</sub>	O <sub>1s</sub>	N <sub>1s</sub>
PCL (●)	74.90	25.10	-
PCL/CHI_9/1_20 (●)	75.91	24.09	-
PCL/CHI_9/1_100 (●)	72.19	27.81	-
PCL/CHI_9/1_600 (●)	77.42	22.58	-
PCL/CHI_8/2_20 (●)	75.38	24.28	0.34
PCL/CHI_8/2_100 (●)	85.01	14.41	0.58
PCL/CHI_8/2_600 (●)	73.12	26.27	0.61
PCL/CHI_7/3_20 (●)	77.31	22.28	0.40
PCL/CHI_7/3_100 (●)	72.79	26.61	0.60
PCL/CHI_7/3_600 (●)	69.86	29.38	0.76



**Figure S2.** High-resolution AFM channels with obtained nanomechanical properties of synthesized PCL and PCL/CHI nanofibers.