**A close-up of a dna helix

Description automatically generatedSupplementary file**

Development of biodegradable chlorhexidine-functionalized polyurethane nanofibers for antimicrobial applications

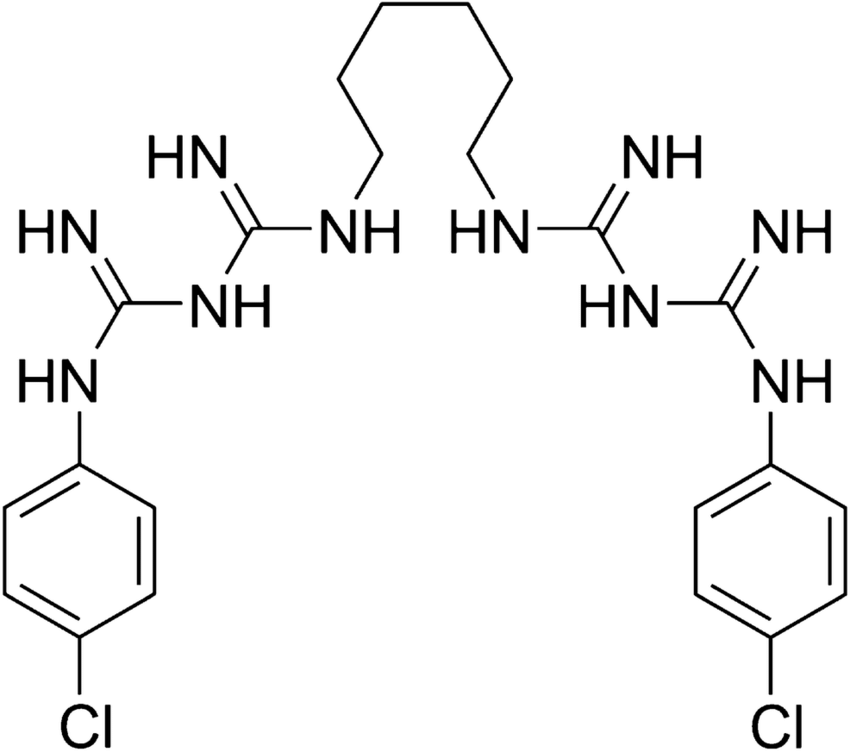
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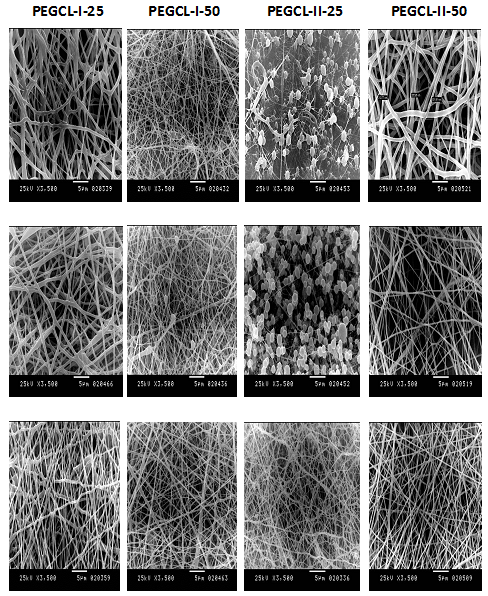
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1. **Introduction**

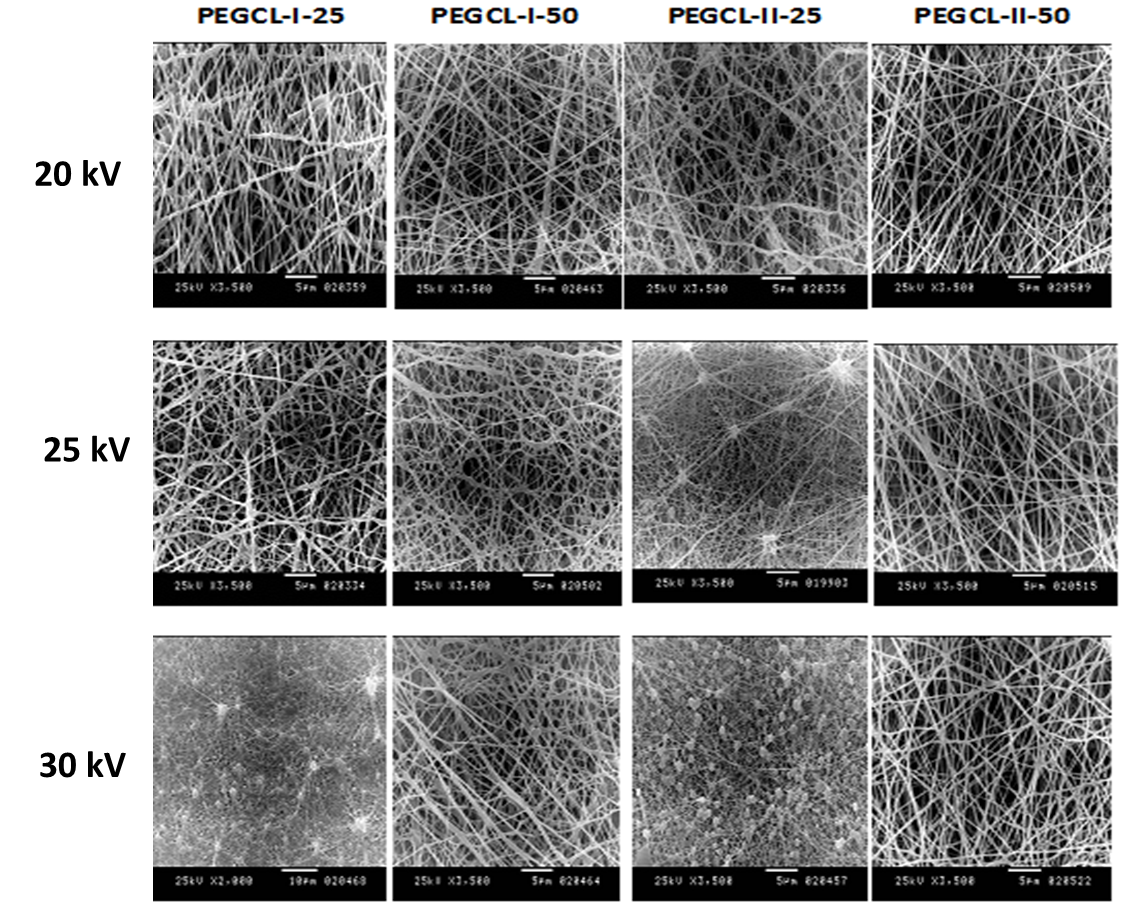


**Figure 1S.** Chemical structure of chlorhexidine

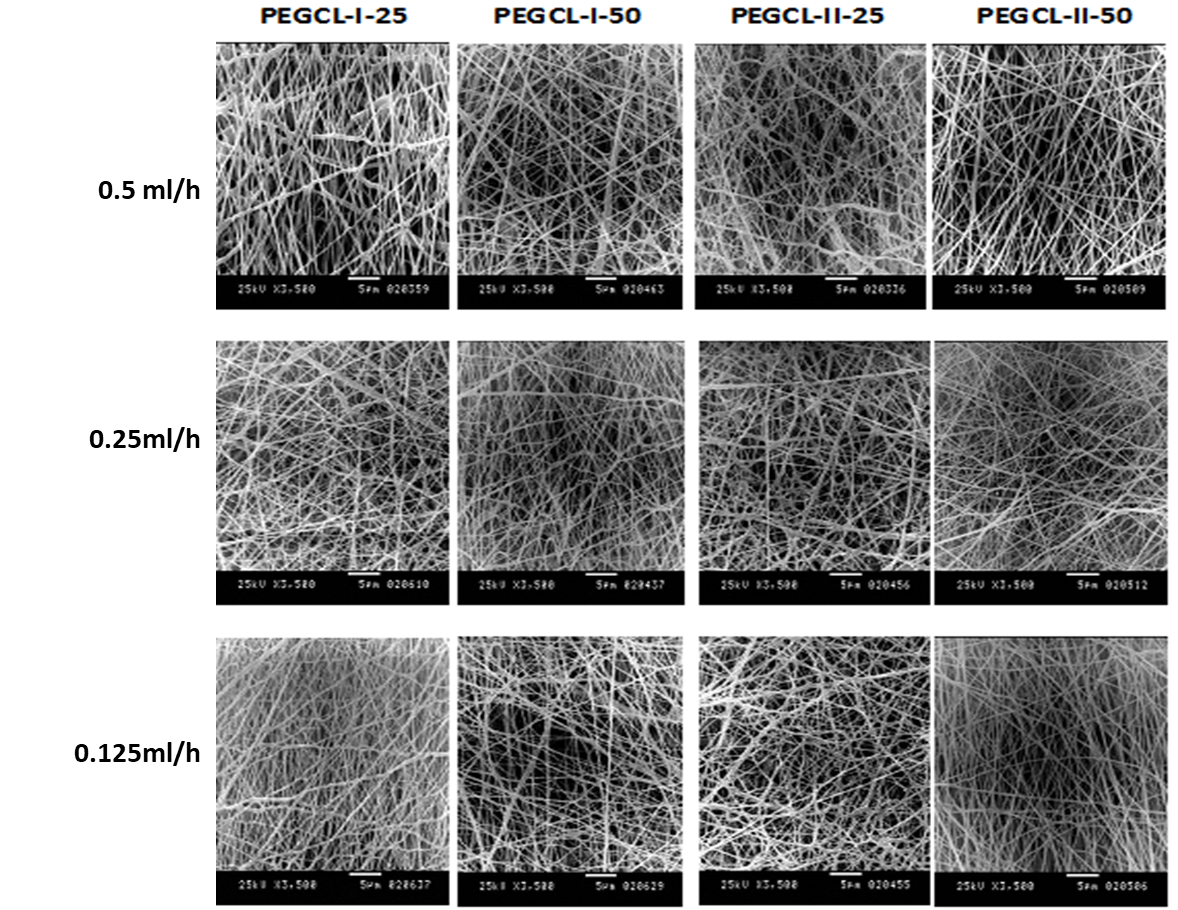
1. **Results and Discussion**



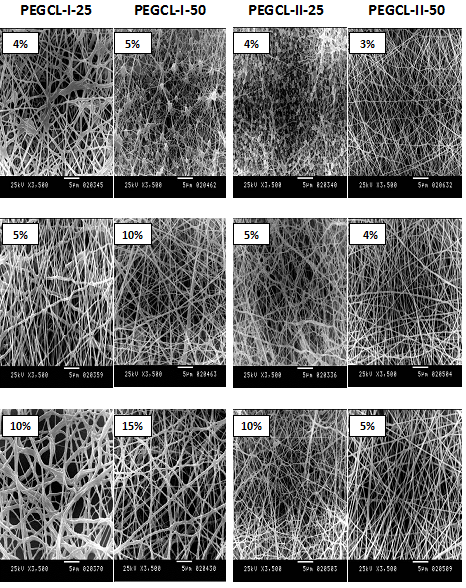
**Figure 2S**. Effect of the solvent type on the morphological properties of copolymer nanofibers electrospun at 20kV, 0.5 ml/h flow rate and 10 cm collecting distance.



**Figure 3S**. Effect of the applied voltage on the morphological properties of copolymer nanofibers electrospun using DCM /DMF 4: 1, 0.5 ml/h flow rate and 10 cm collecting distance.



**Figure 4S.** Effect of the flow rate copolymer solution in DCM / DMF 4: 1 on the morphological properties of copolymer nanofibers electrospun at 20kV, 0.5 ml/h flow rate and 10 cm collection distance.



**Figure 5S.** Effect of copolymer solution concentration in DCM/DMF (4: 1) on the morphological properties of nanofibers electrospun at 20 kV, 0.5 ml/h flow rate and 10 cm collecting distance.