

ESI

Green fabrication of antibacterial polymer/silver nanoparticle nanohybrids by dual-spinneret electrospinning

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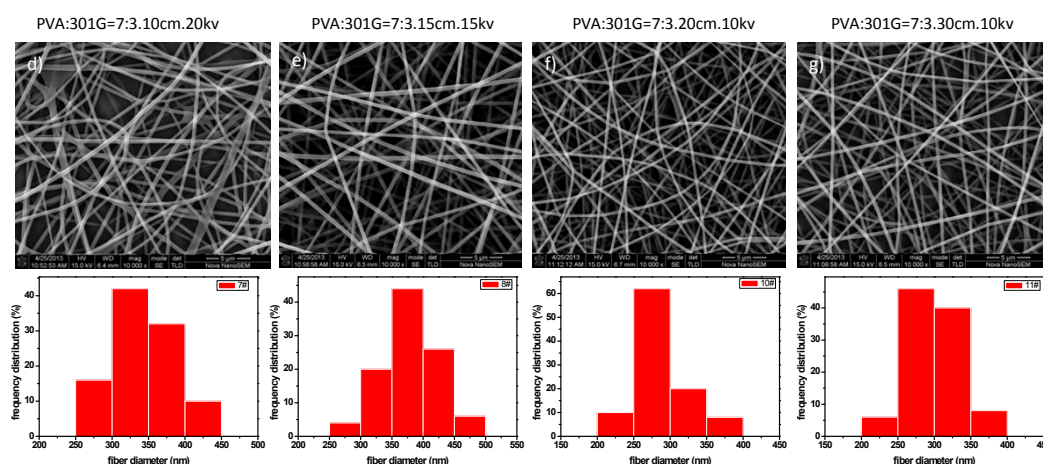


Figure S1. Typical SEM images of WPU/PVA (3:7) at different electrospun conditions by applying various positive voltages and tip-to-collector distances: d) 20 kV & 10cm; e) 15 kV & 15cm; f) 10 kV & 20 cm; g) 10 kV & 30 cm. The histogram on second row below each image represents the statistic frequency distribution of obtained nanofibres with different diameters (50 counts), respectively. Scale bar: 5 μ m

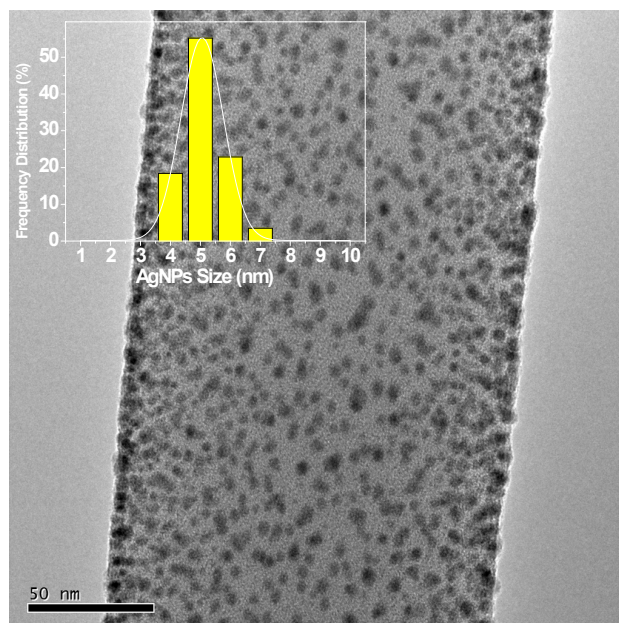


Figure S2. TEM images of the as-prepared PVA-Ag fiber in the W-P-Ag nanofiber mats, respectively. Inset: frequency distribution diagrams (200 counts) of AgNP size. Scale bar: 50 nm.

Figure S3. TEM images of the merged (a & b) and brached (c) PVA-Ag and WPU/PVA fiber in the W-P-Ag nanofiber mats