Supporting Information

Facile synthesis of biocompatible silver nanoparticle derived tripeptide supramolecular hydrogel for antibacterial wound dressings

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Fig. S1. The overall flow chart of Nap-FFC synthesis



Fig. S2. ¹H NMR (300MHz) spectra of Nap-F peptide.



Fig. S3. ¹H NMR (300MHz) spectra of Nap-FF peptide.



Fig. S4. ¹H NMR (300MHz) spectra of Nap-FFC peptide.



Fig. S5. High Resolution mass analysis [HRMS] of Nap-F peptide.



Fig. S6. High Resolution mass analysis [HRMS] of Nap-FF peptide.



Fig. S7. High Resolution mass analysis [HRMS] of Nap-FFC peptide.



Fig. S8. FT-IR spectra of (a) Nap-FFC nanofibers, and (b) Ag⁺ ions absorbed on Nap-FFC nanofibers



Fig. S9. The TEM analysis of (A) AgNPs (B) AgNPs@Nap-FFC nanocomposites.



Fig. S10. Photograph images (a and b) of 1 % (w/v) Nap-FFC at pH 12 without/with 80 μ g/mL AgNPs@Nap-FFC for different times.