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

(i) DCC, NHS, CHCl_3
(ii) Na_2CO_3, DIwater/acetone
Fig. S2. $^1$H NMR (300MHz) spectra of Nap-F peptide.
Fig. S3. $^1$H NMR (300MHz) spectra of Nap-FF peptide.
Fig. S4. $^1$H 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 µg/mL AgNPs@Nap-FFC for different times.