

# Preparation and Characterization of AgNPs in Situ Synthesis on Polyelectrolyte Membrane Coated Sericin/Agar film for Antimicrobial Applications

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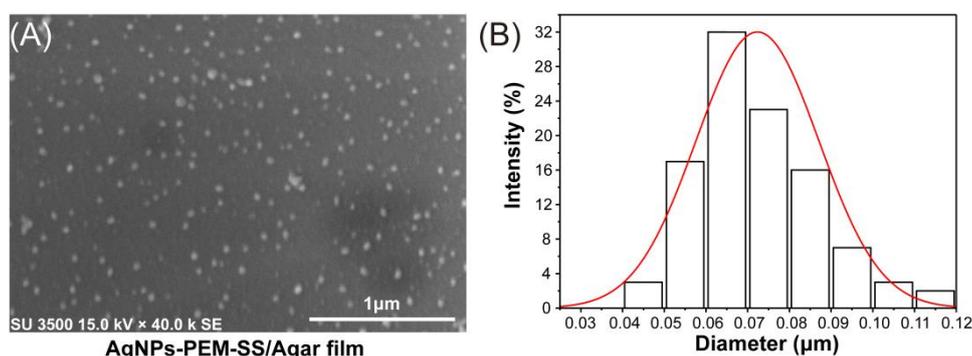
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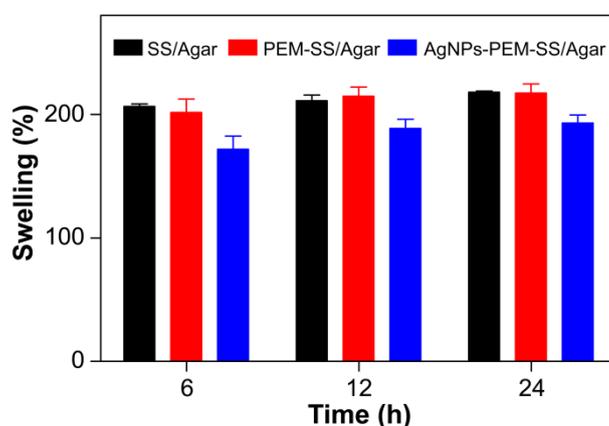
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**Figure S1.** Scanning electron microscopy (SEM) image of AgNPs-PEM-SS/Agar film (A) and size distribution analysis of AgNPs (B).



**Figure S2.** Swelling ratio of different films in PBS buffer (pH 7.4) at different time.