

# A Novel Design of Tri-Layer Membrane with Controlled Delivery of Paclitaxel and Anti-Biofilm Effect for Biliary Stent Applications

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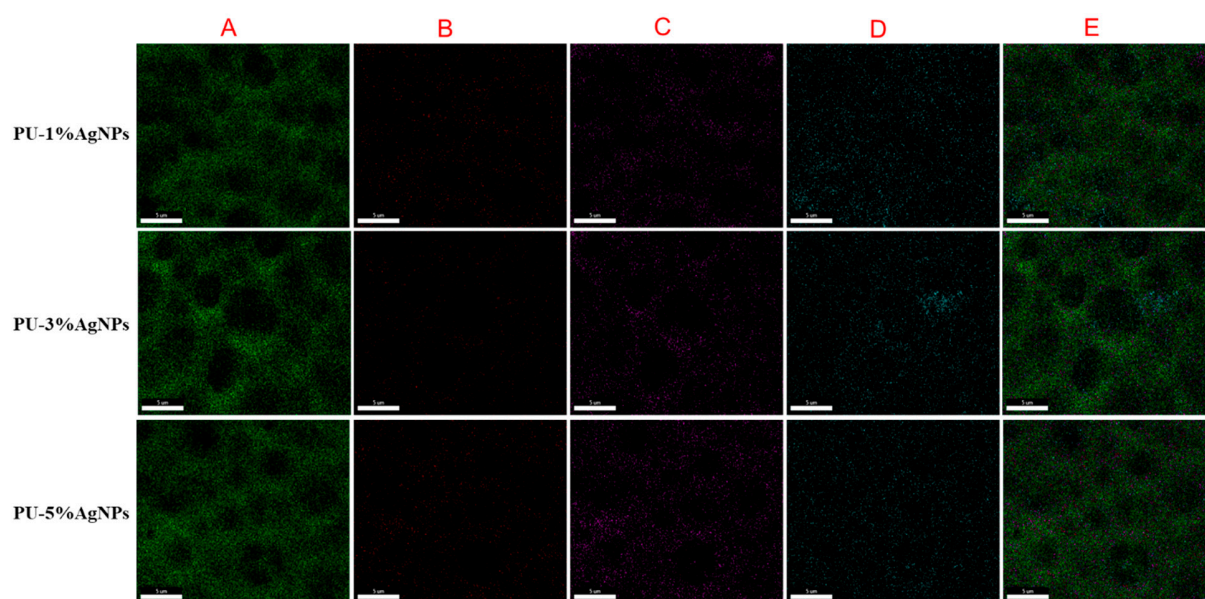
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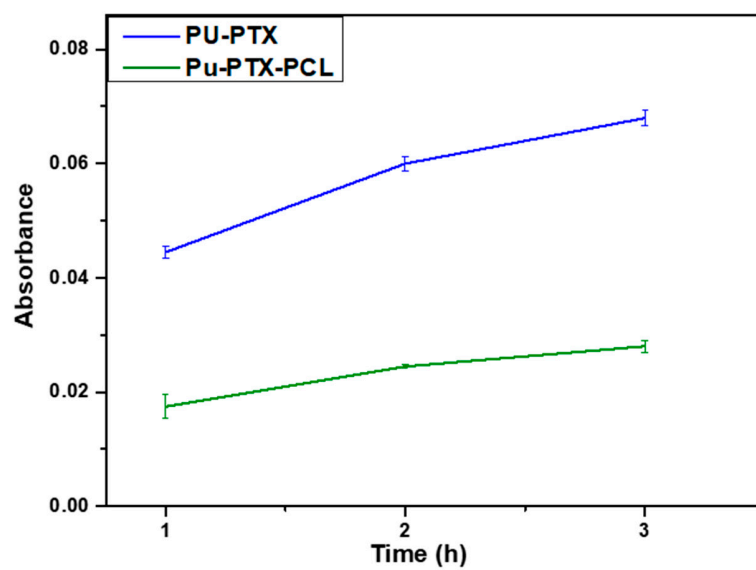
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**Figure S1:** EDS elemental mapping showing the composition PU films containing 1, 3, and 5% of AgNPs. A is corresponding to (C), B is corresponding to (N), C is corresponding to (O), D is corresponding to (Ag) and (E) is corresponding to merged image from A to D.



**Figure S2.** The comparison of PTX release behavior between PTX-loaded PU nanofibers enveloped with and without the PCL layer. The release profile confirms that the PCL layer effectively controls the initial burst release.