

Supplementary Information

Fig. S1. Stress-strain curves of the PT/CHT films created from polymer blends at 5, 15, 30 and 40 wt%.

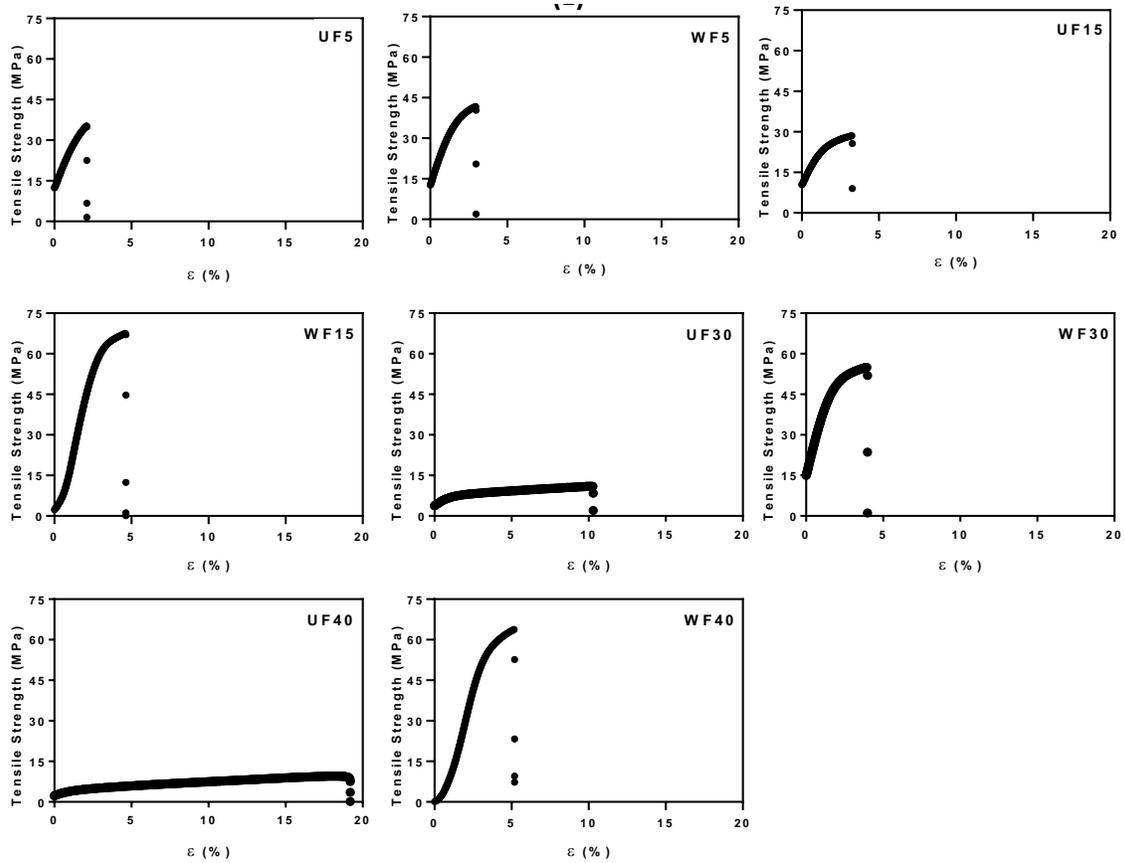
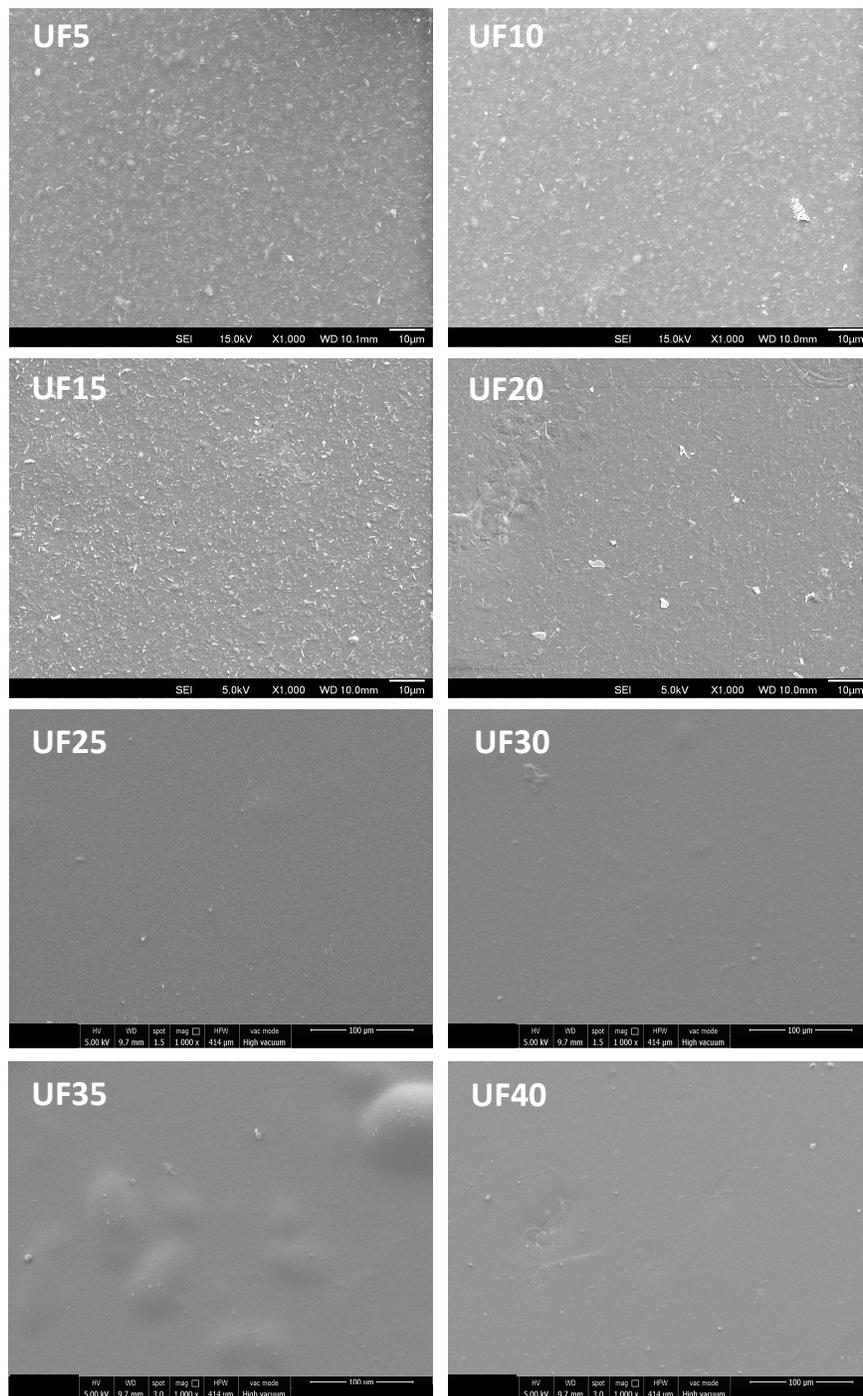


Fig. S2. SEM images of the films.



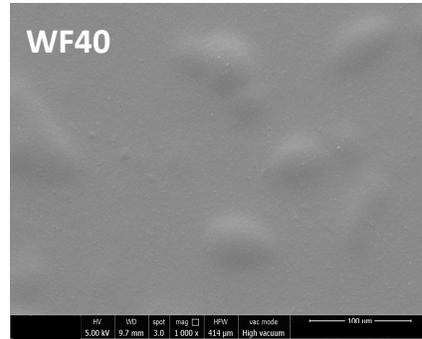
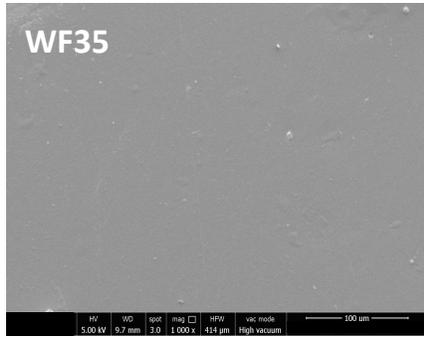
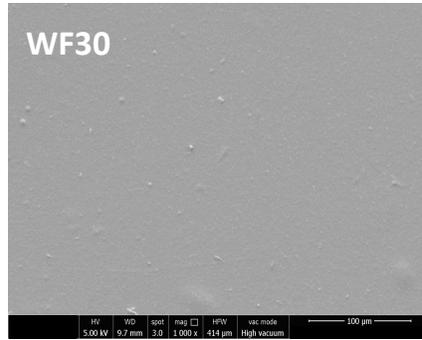
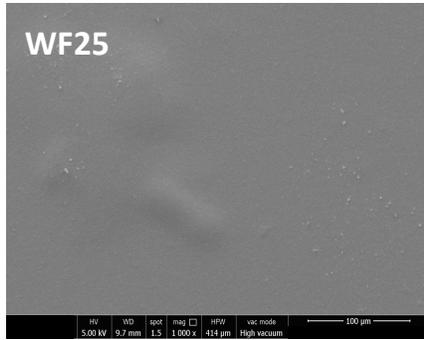
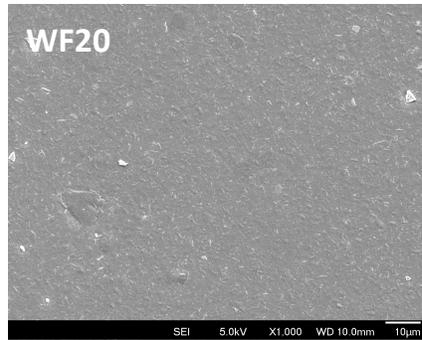
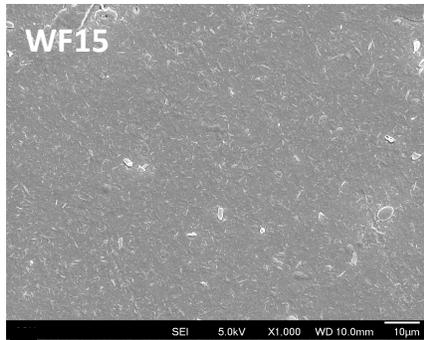
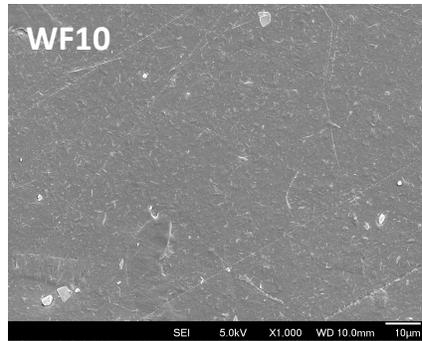
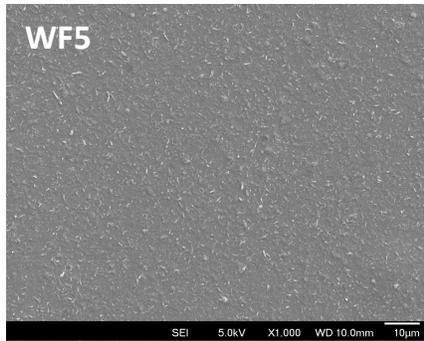
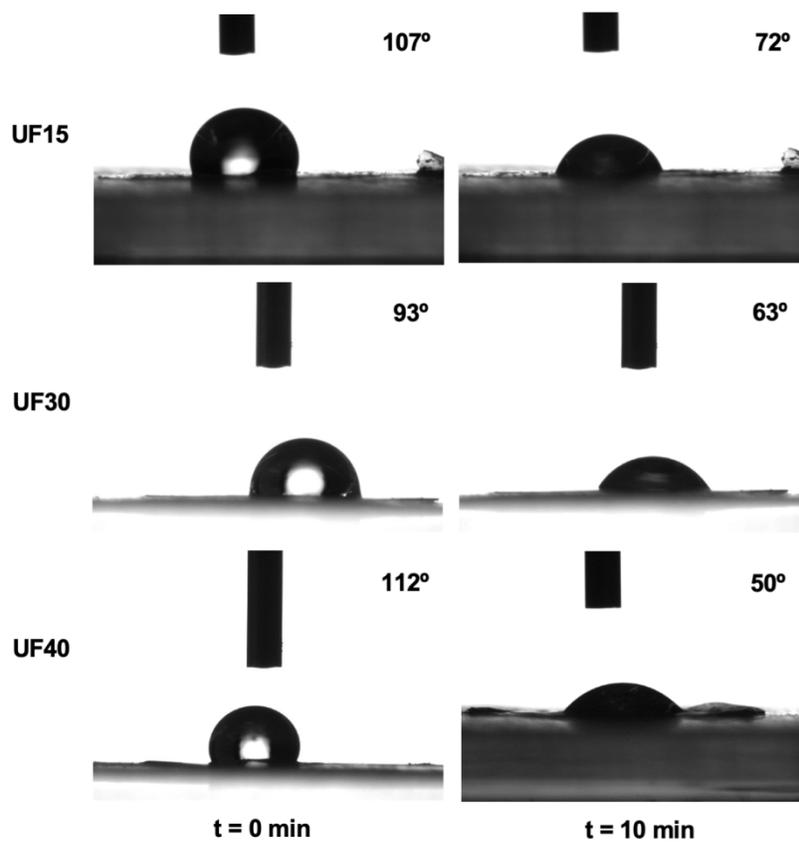


Fig. S3. Digital images of one water droplet on the film surfaces after $t = 0$ and $t = 10$ min.



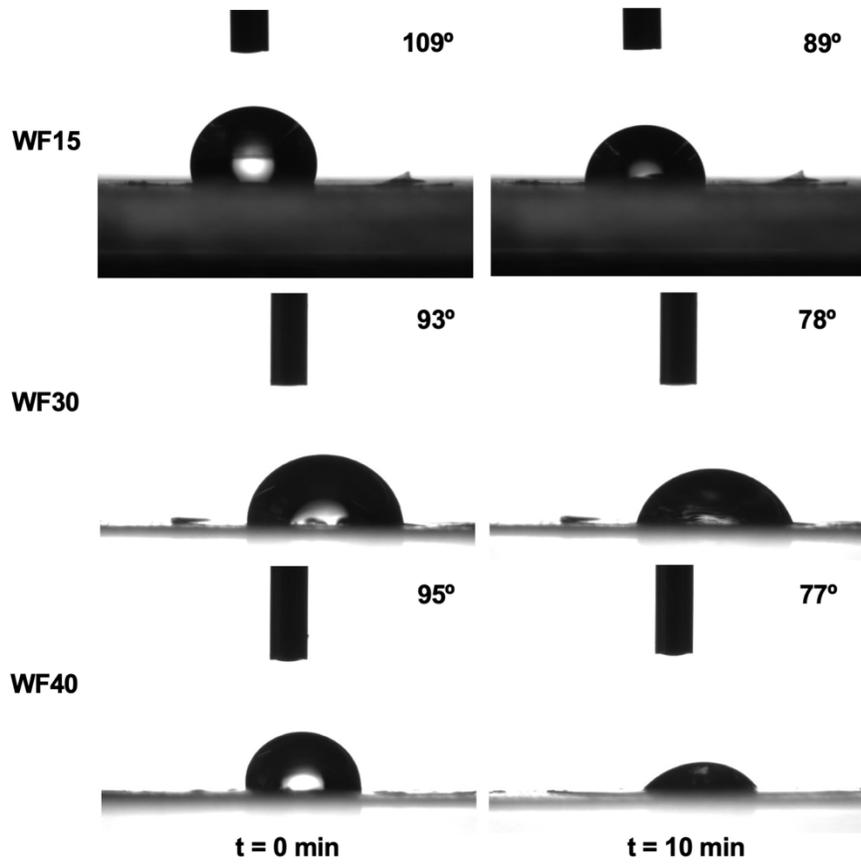


Fig. S4. Digital images of film disks seeded on Petri dishes containing *E. coli* cells after 24 h of exposure.

