

Supporting Information

Cetyltrimethylammonium Bromide (CTAB)-Loaded SiO_2 -Ag Mesoporous Nanocomposite as an Efficient Antibacterial Agent

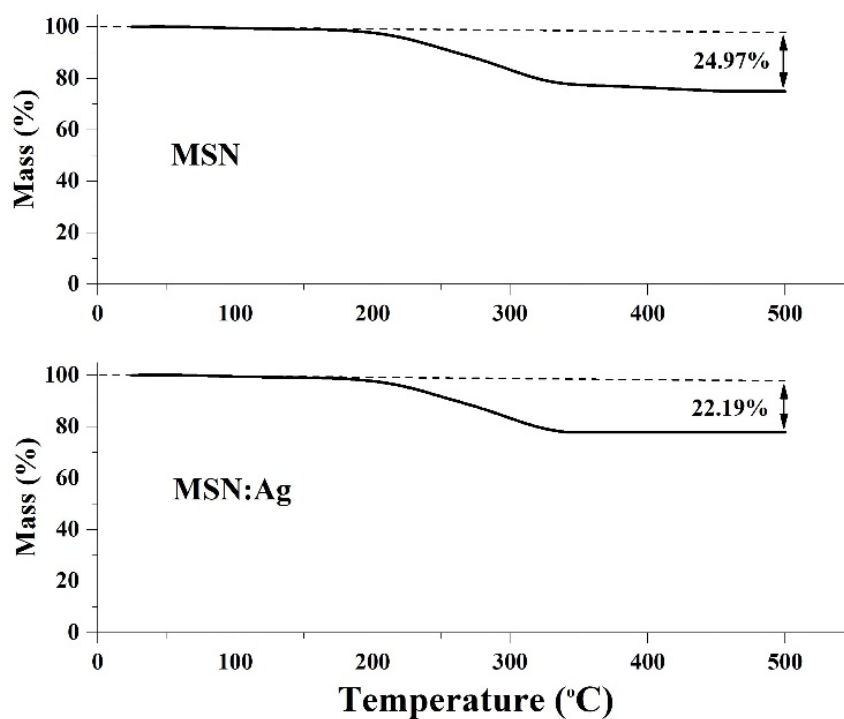


Figure S1. TGA curves for bare MSN and MSN:Ag.

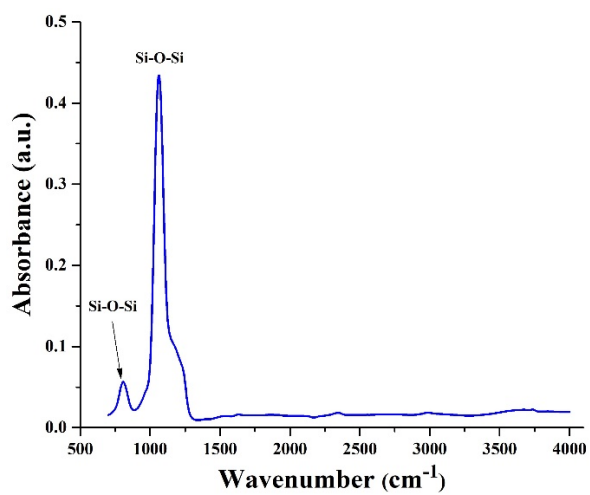


Figure S2. FTIR analysis of MSN:Ag nanocomposite after the TGA.

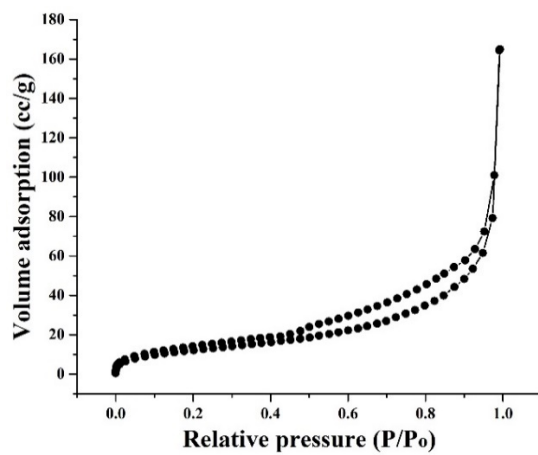


Figure S3. Nitrogen adsorption-desorption isotherm of MSN:Ag after the synthesis process.

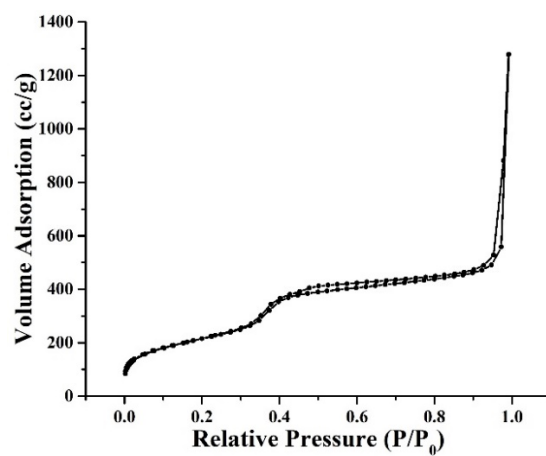


Figure S4. Nitrogen adsorption-desorption isotherm of MSN:Ag after the calcination at 500 °C.

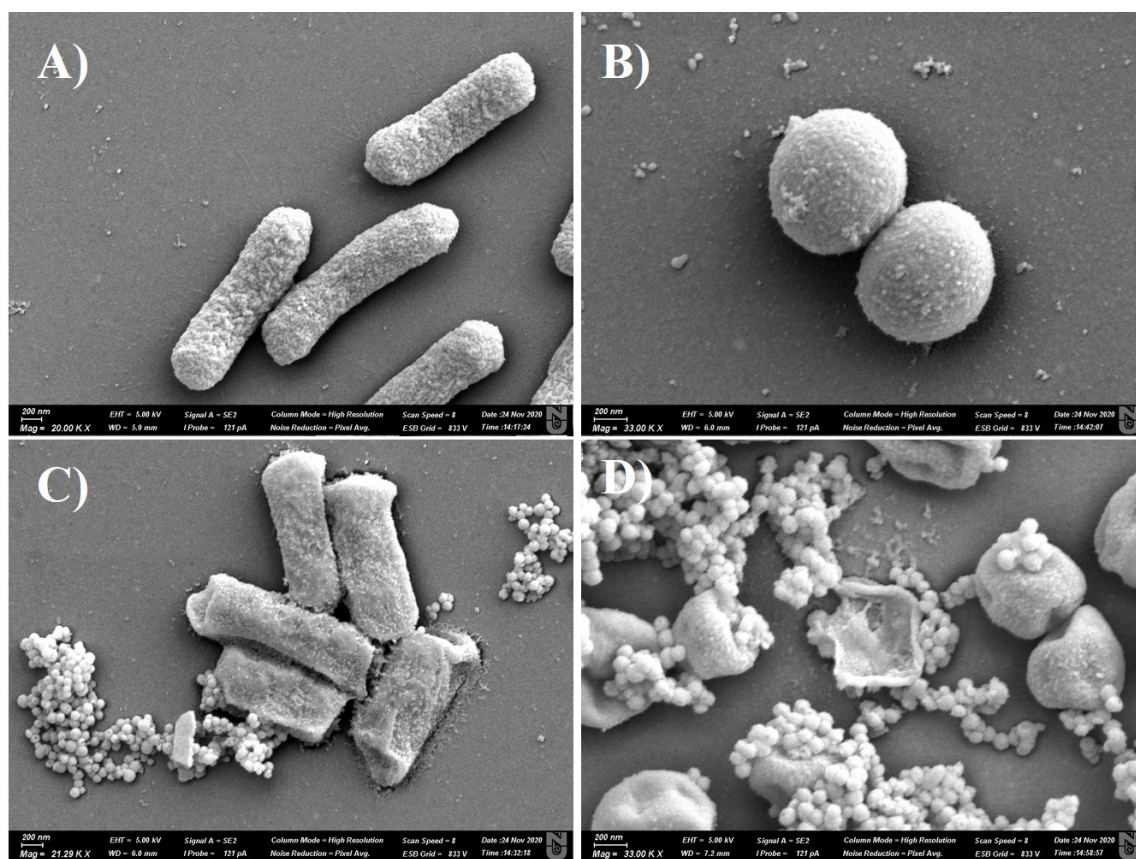


Figure S5. SEM images of control *E.coli* (A) and *S.aureus* (B). SEM images of MSN:Ag incubated with *E.coli* (C) and *S.aureus* (D).