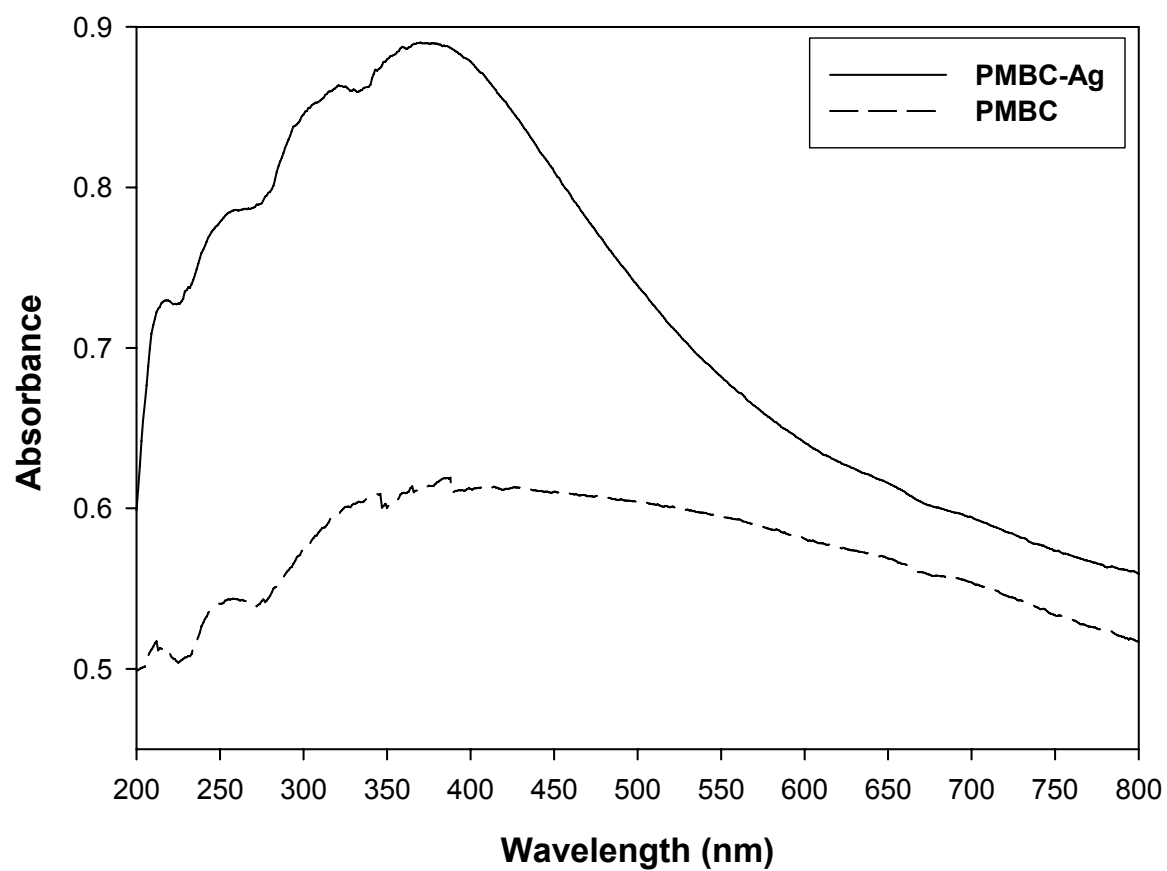
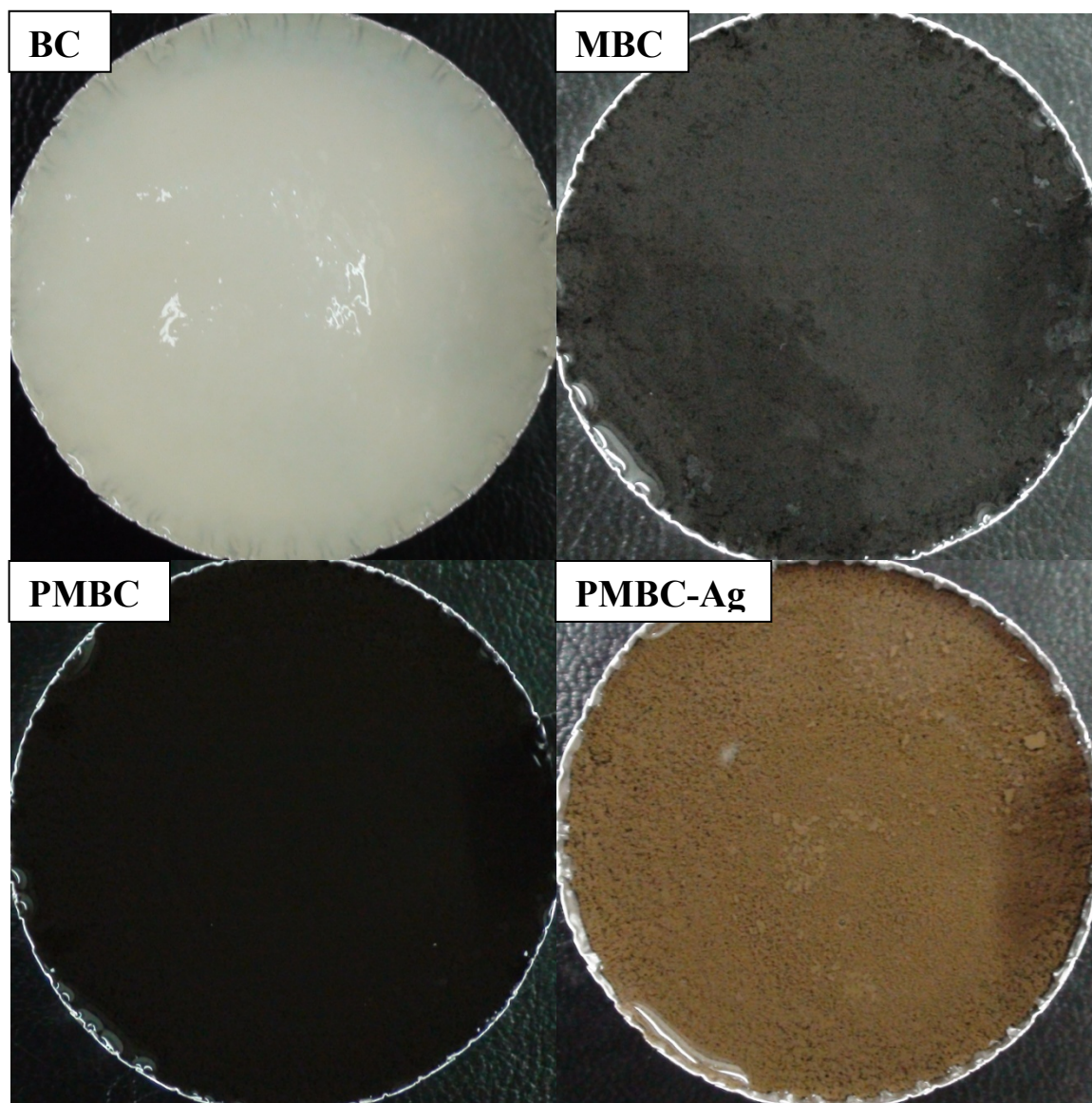


Supplementary Informations



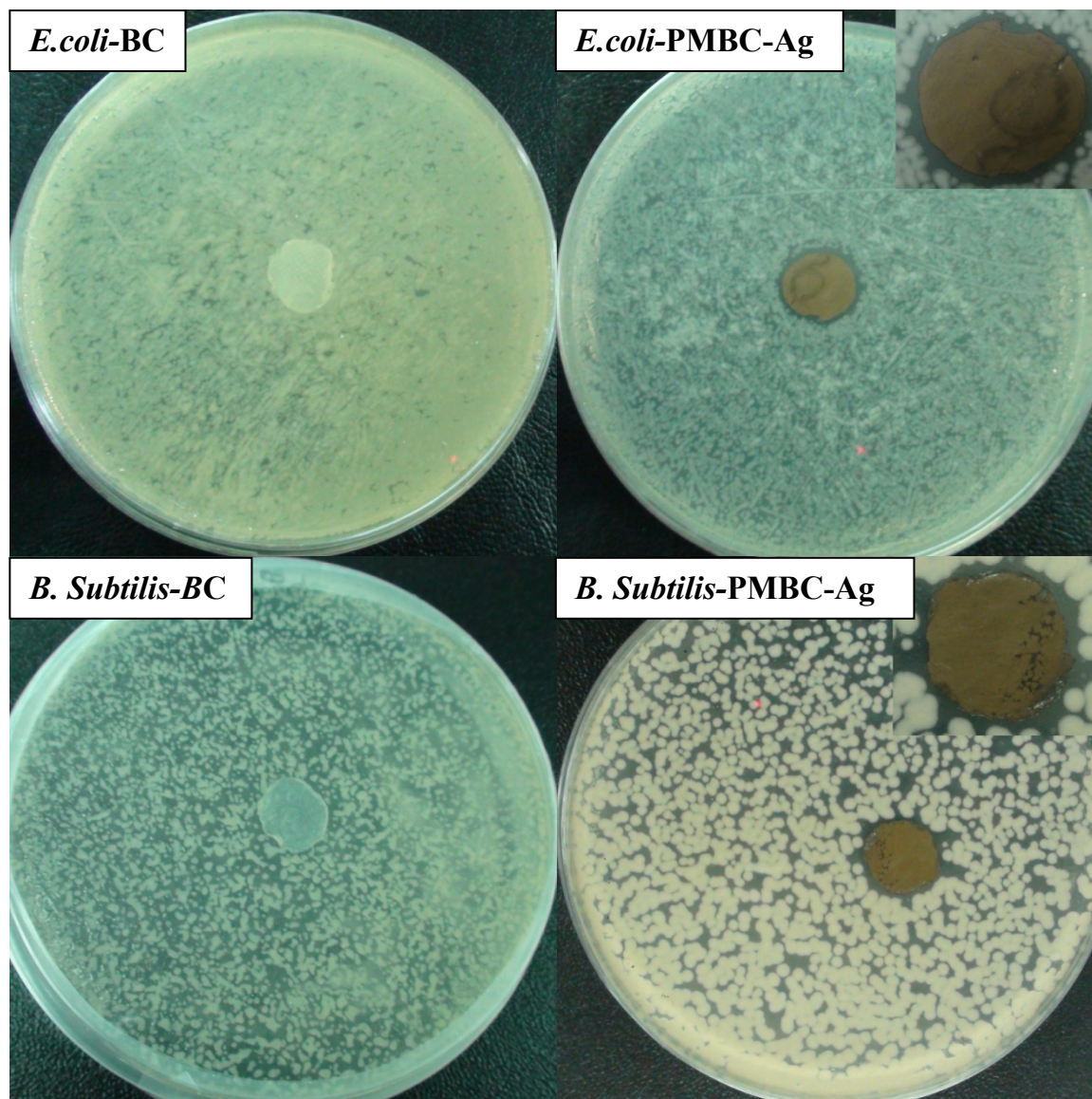
S1. UV-vis spectrum of the PMBC-Ag presenting the surface plasmon band of silver nanoparticles



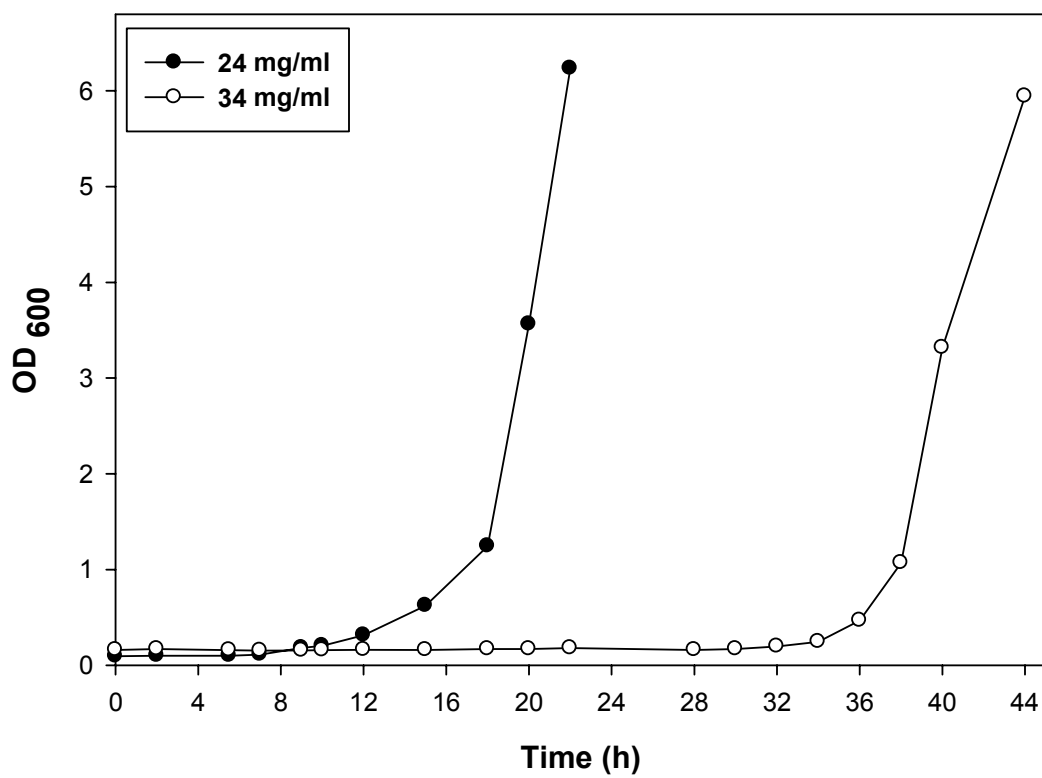
S.2 Digital images of as-prepared BC, MBC, PMBC and PMBC-Ag



S.3 Digital image of PMBC-Ag particles in bacterial containing LB medium response towards external magnetic field



S. 4 Zone of inhibition test for *B. subtilis* and *E. coli* against BC and PMBC-Ag



S.5 PMBC-Ag sterilized LB medium inoculated with desired microorganism at 0 h