

Figure S1. UV-vis spectra for photocatalytic degradation of *p*-NP over synthesized Ag-1 nano-material under visible light.

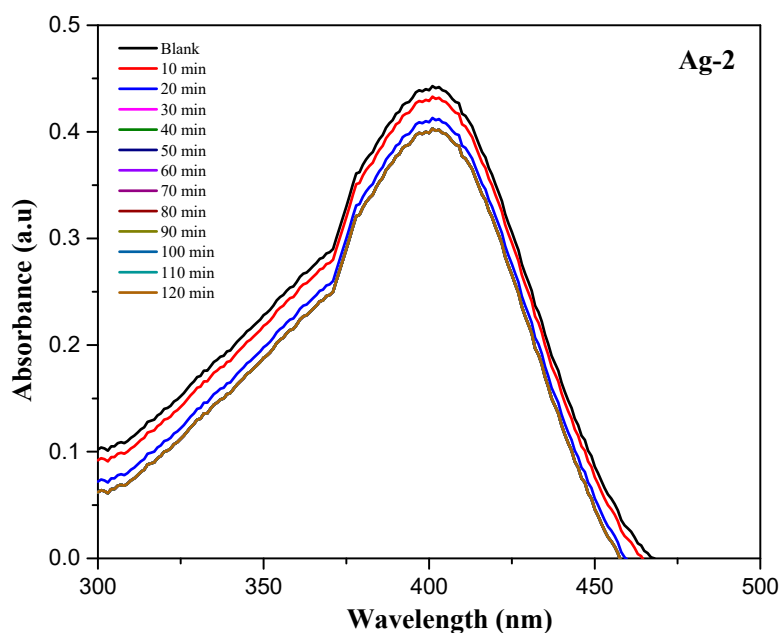


Figure S2. UV-vis spectra for photocatalytic degradation of *p*-NP over synthesized Ag-2 nano-material under visible light.

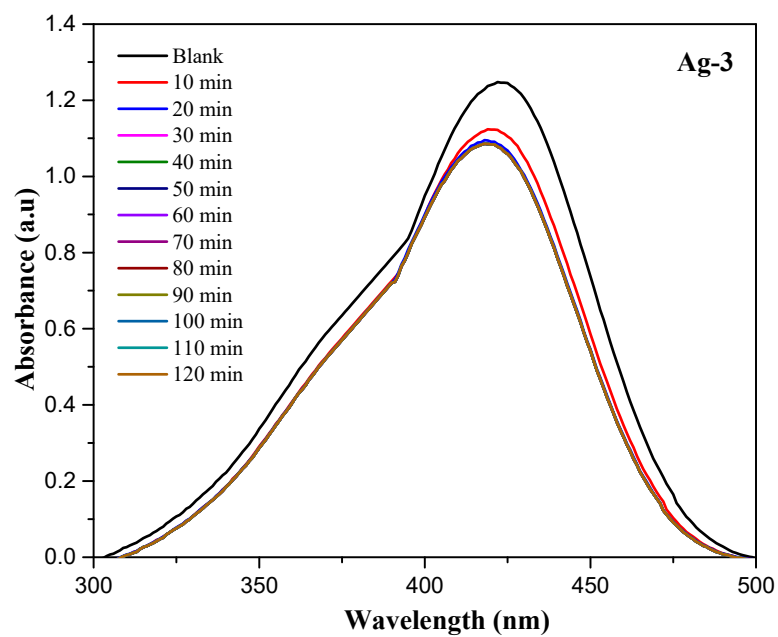


Figure S3. UV-vis spectra for photocatalytic degradation of *p*-NP over synthesized Ag-3 nano-material under visible light.

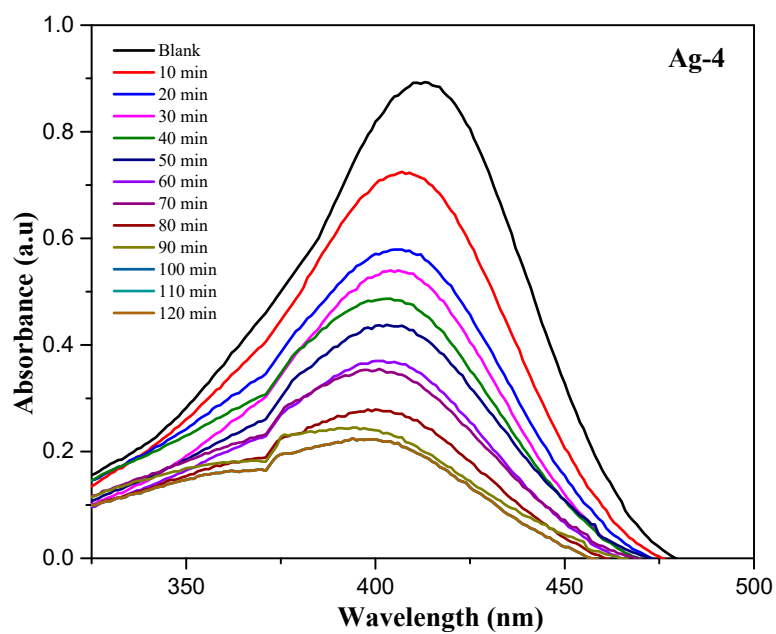


Figure S4. UV-vis spectra for photocatalytic degradation of *p*-NP over synthesized Ag-4 nano-material under visible light.

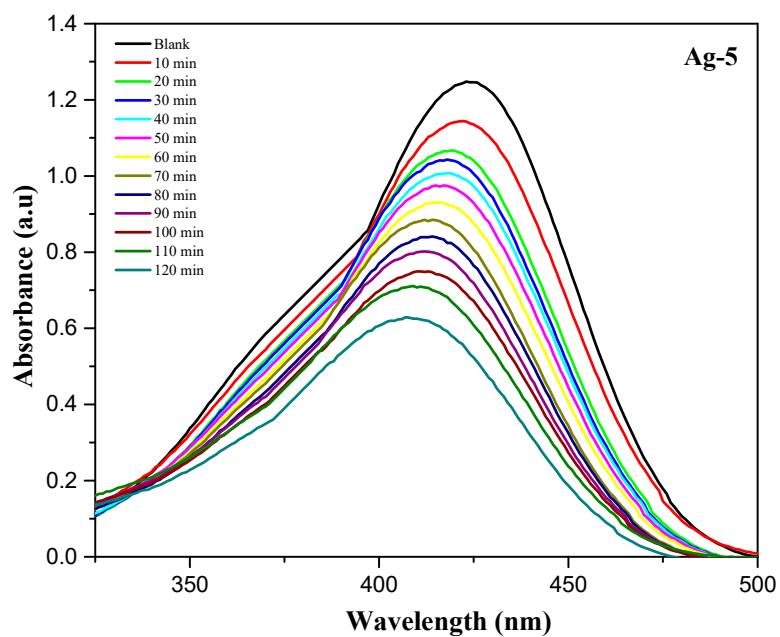


Figure S5. UV-vis spectra for photocatalytic degradation of *p*-NP over synthesized Ag-5 nano-material under visible light.