

Figure S1. EDS of pure ZnO nanoparticle.

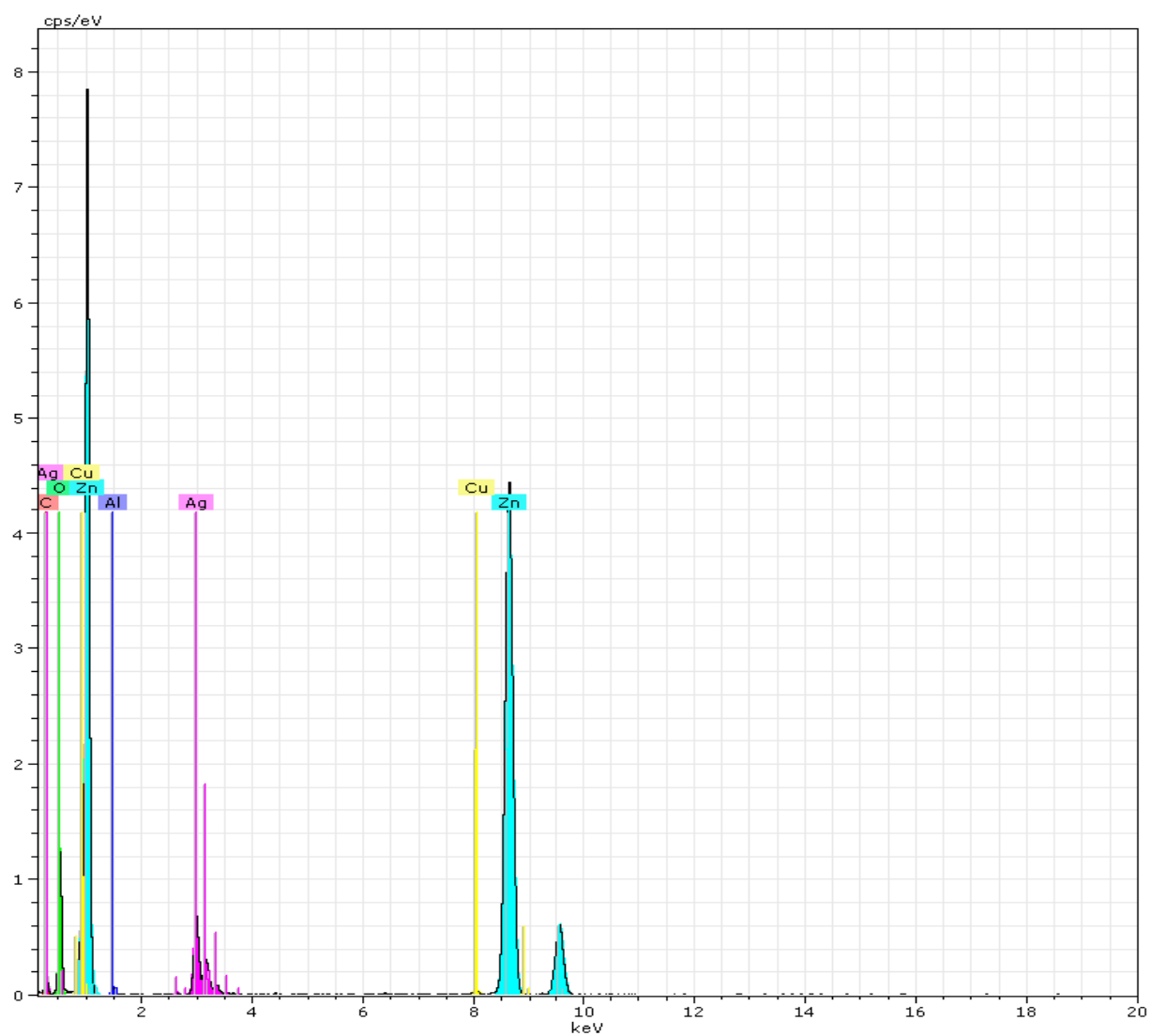


Figure S2. EDS of 1 % Ag-ZnO nanoparticle.

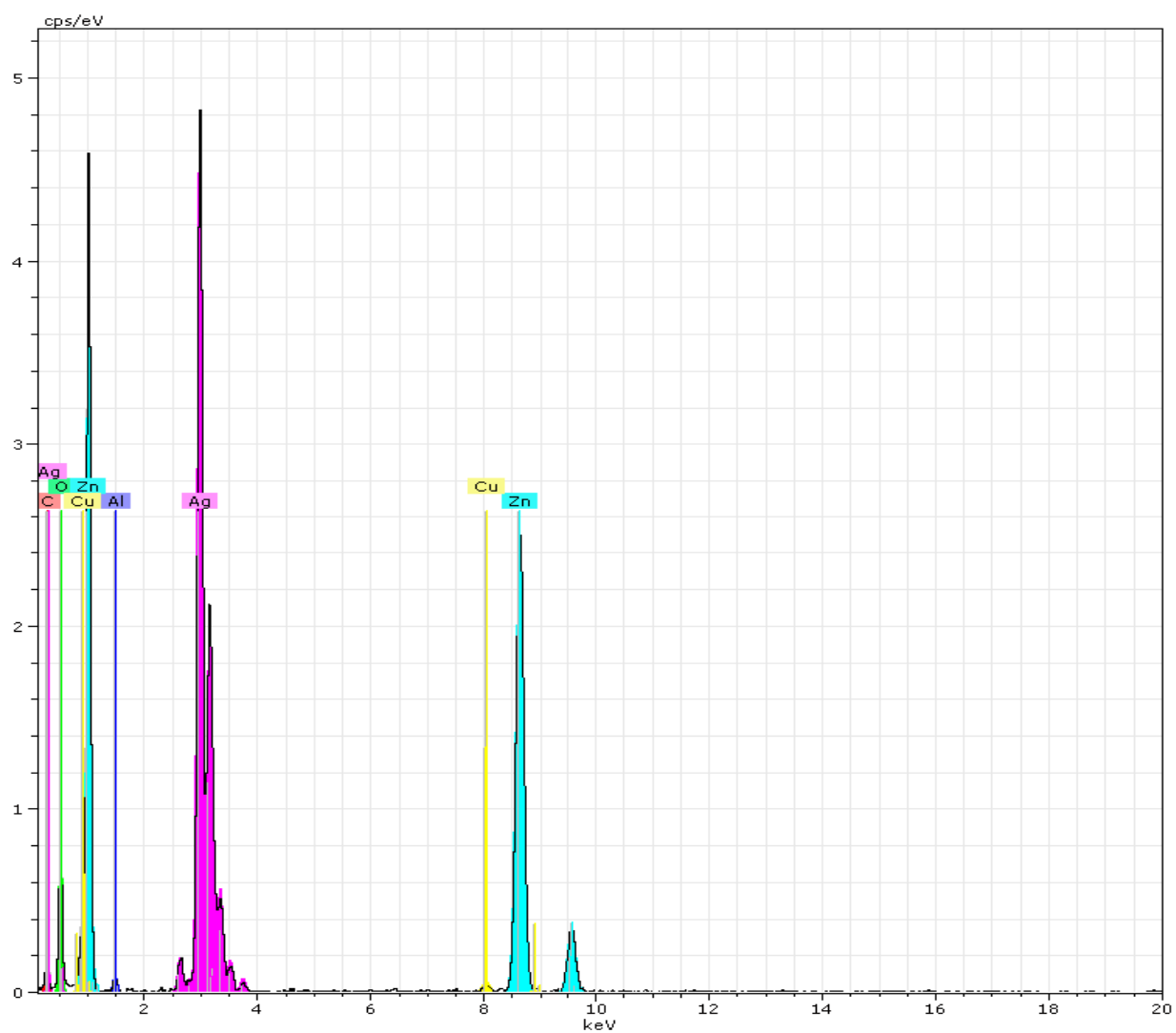


Figure S3. EDS of 5 % Ag-ZnO nanoparticle.

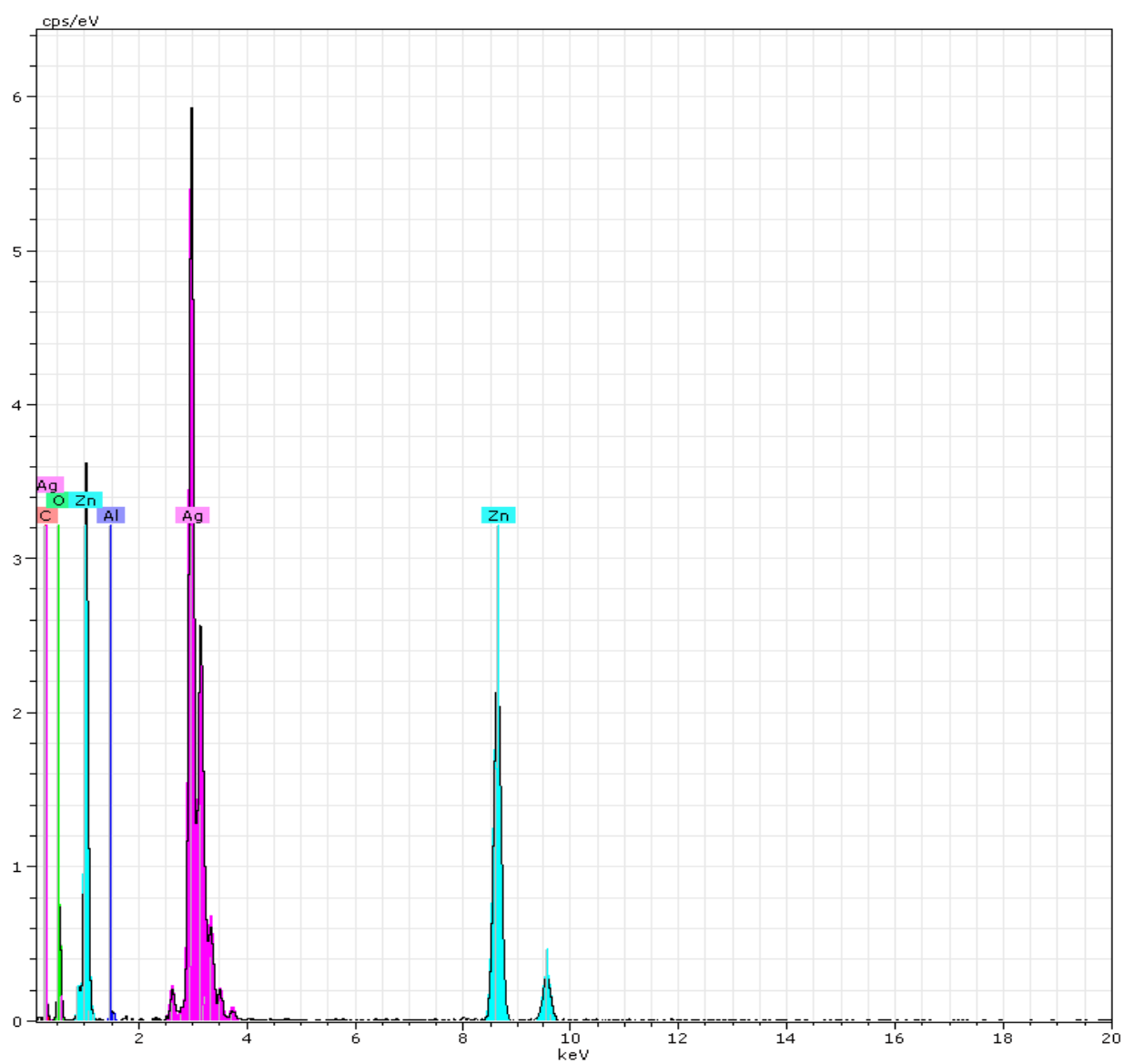


Figure S4. EDS of 10 % Ag-ZnO nanoparticle.

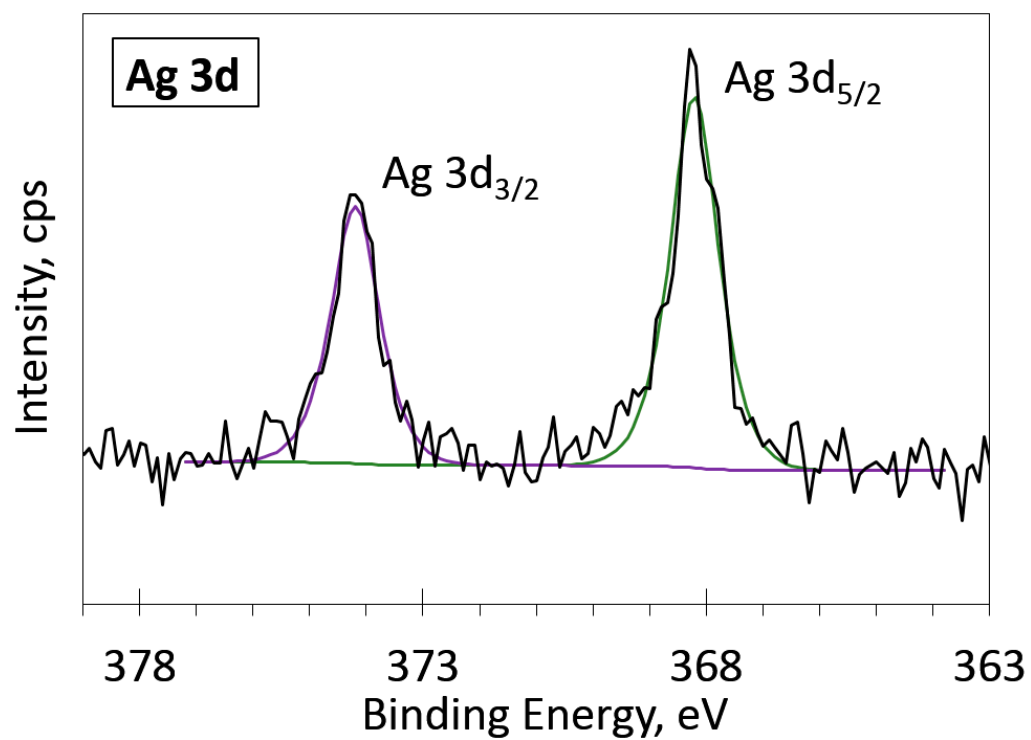


Figure S5. Deconvoluted high-resolution XPS spectra for 1% Ag-ZnO powder sample. Black curve - acquired data, dark green curve – fitted Ag 3d_{5/2} peak, violet curve - fitted Ag 3d_{3/2} peak.