Supplementary Data

This supplementary data is a part of a paper entitled "Synthesis, Identification, and Biological Evaluation of Some Metal Ions Complexes Derived from Thymine-Azo Ligand".

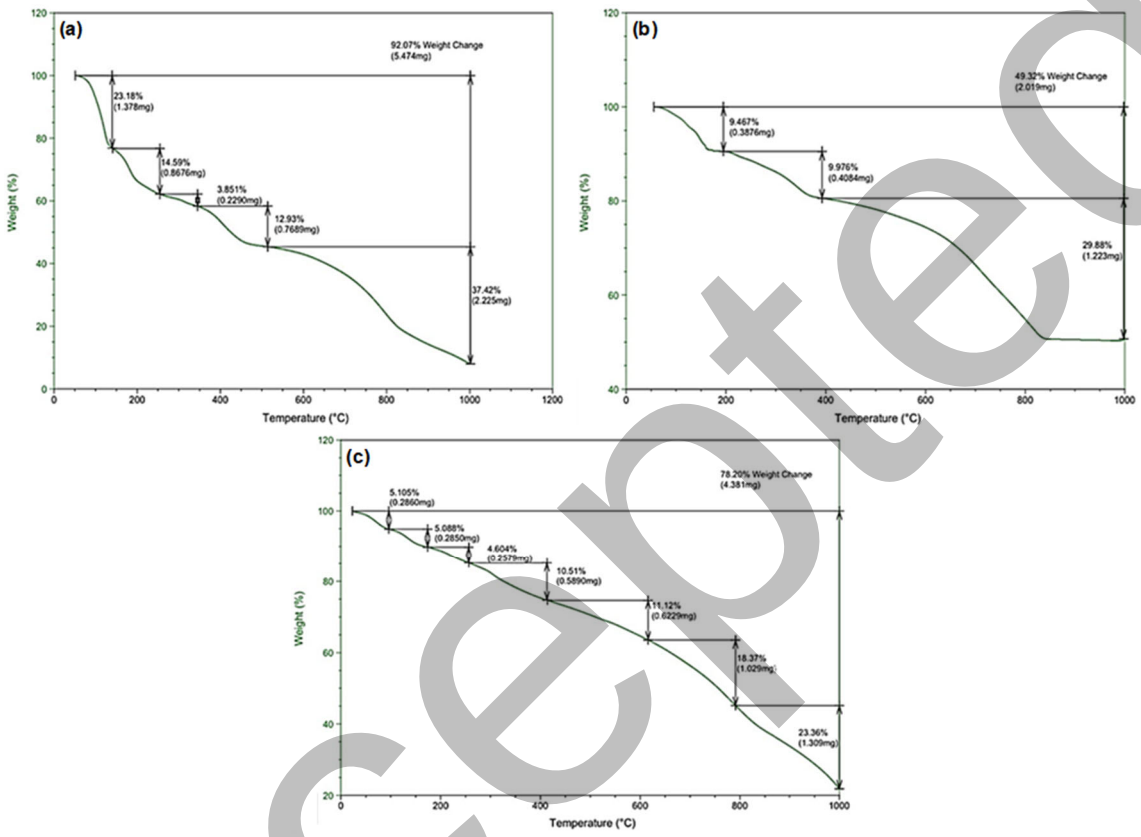

Fig S1. Thermal disintegration of (a) AAT ligand, (b) $[Ag(AAT)(H_2O)_2]NO_3$, and (c) $[Cu(AAT)(H_2O)_3]Cl_2{\cdot}H_2O$

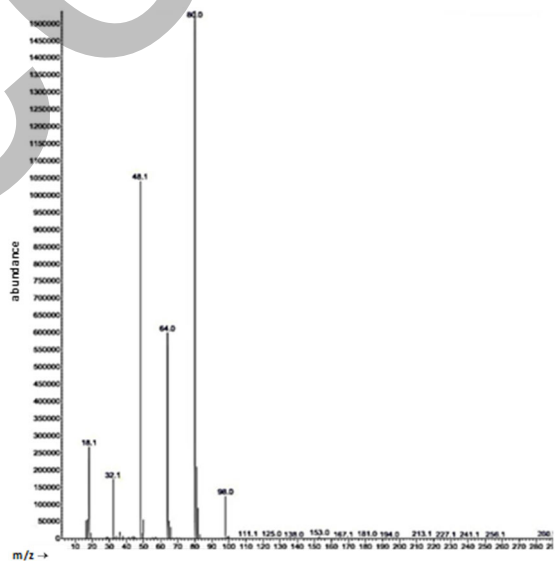

Fig S2. Mass spectrum of AAT ligand

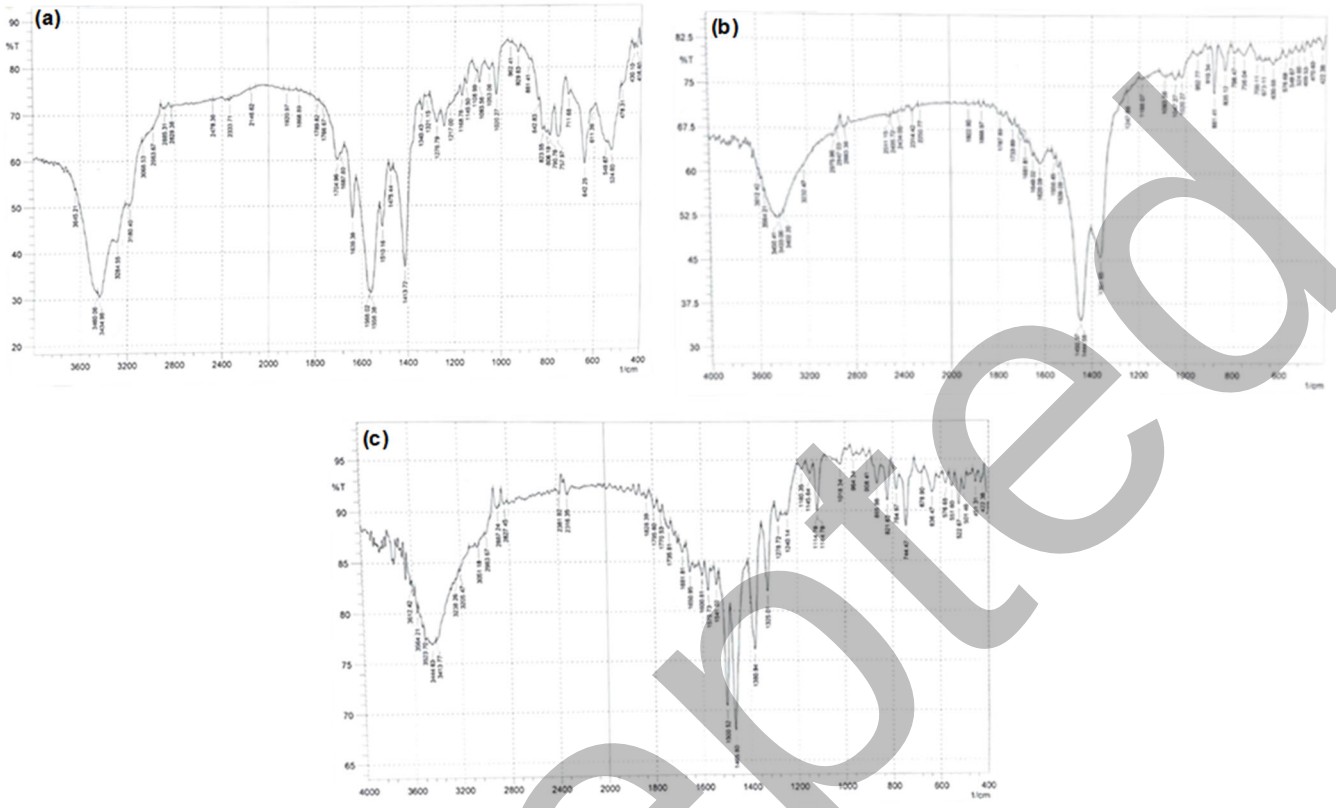

Fig S3. FTIR spectra of (a) AAT ligand, (b) $[Ag(AAT)(H_2O)_2]NO_3$, and (c) $[Cu(AAT)(H_2O)_3]Cl_2{\cdot}H_2O$

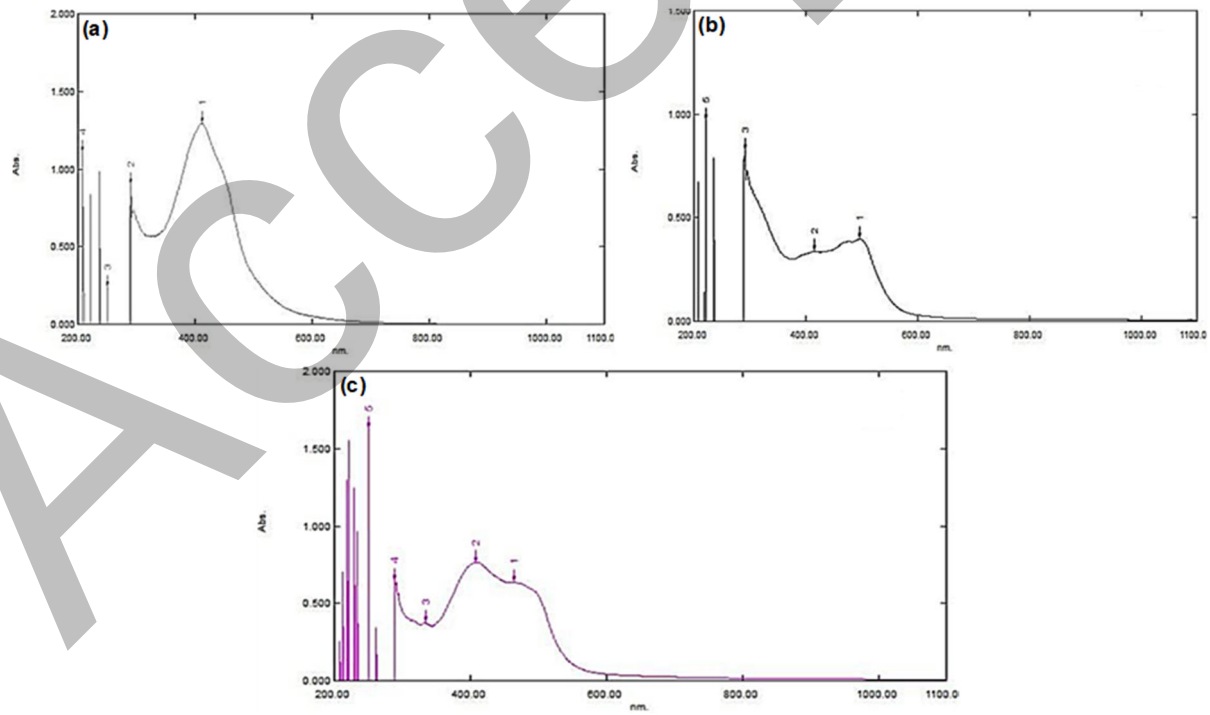

Fig S4. Electronic spectra of (a) AAT ligand, (b) $[Ag(AAT)(H_2O)_2]NO_3$, and (c) $[Cu(AAT)(H_2O)_3]Cl_2{\cdot}H_2O$

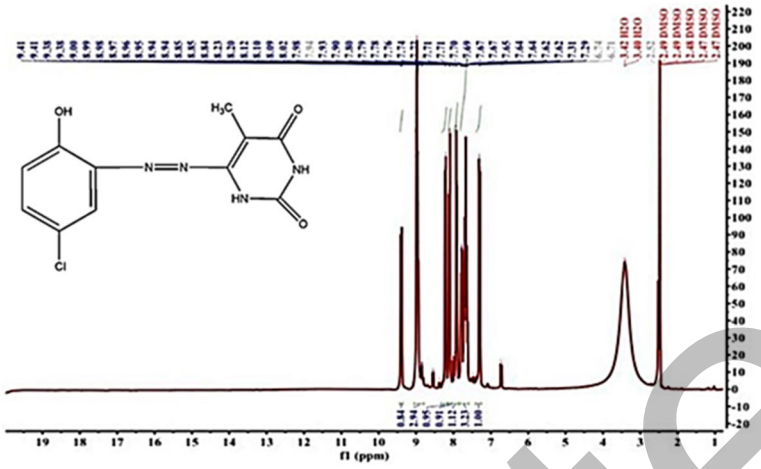

Fig S5. ^{1}H-NMR spectrum of AAT ligand

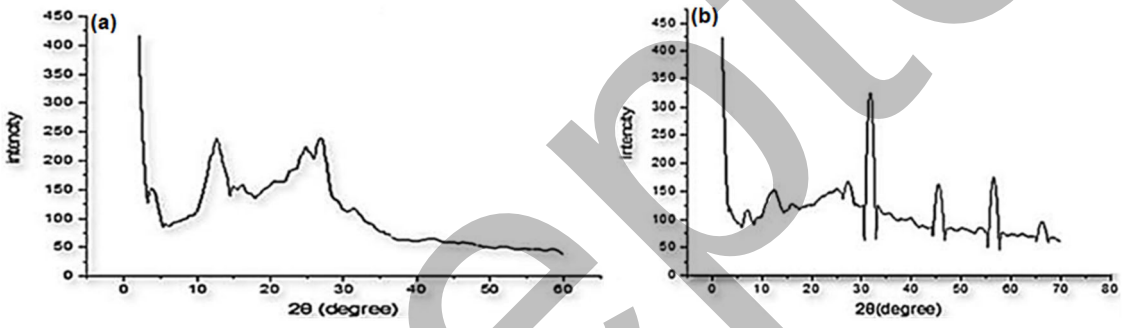

Fig S6. XRD spectra for (a) AAT and (b) $[Cu(ATT)(H_2O)_3]Cl_2{\cdot}H_2O$

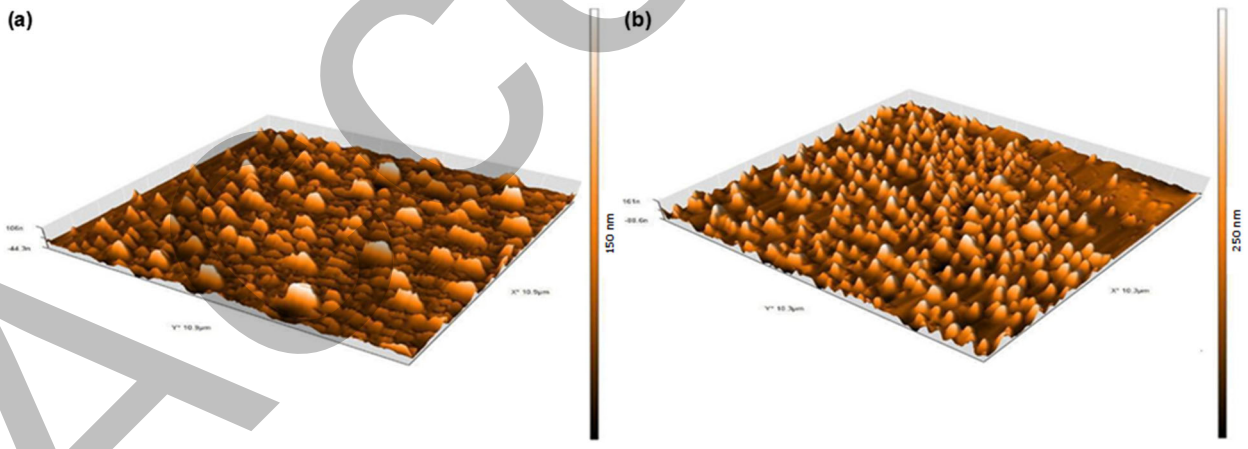

Fig S7. AFM surface for (a) AAT and (b) $[Cu(ATT)(H_2O)_3]Cl_2{\cdot}H_2O$

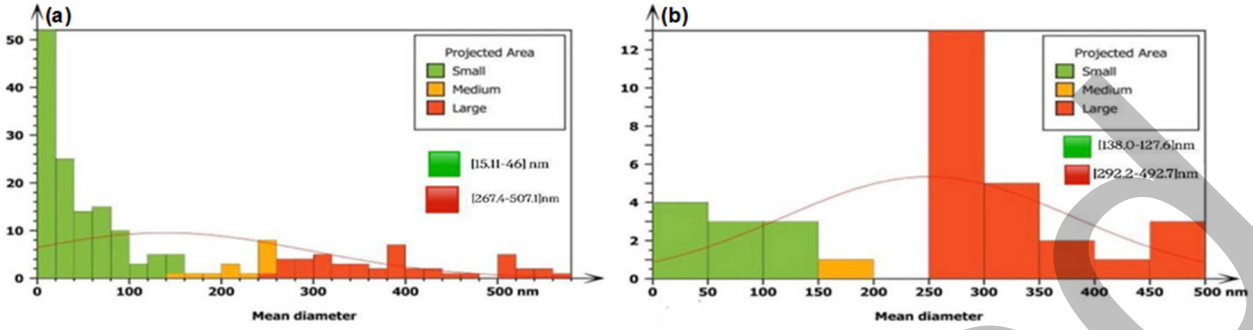

Fig S8. Histogram and statistical particles analyses of (a) AAT and (b) $[Cu(ATT)(H_2O)_3]Cl_2{\cdot}H_2O$

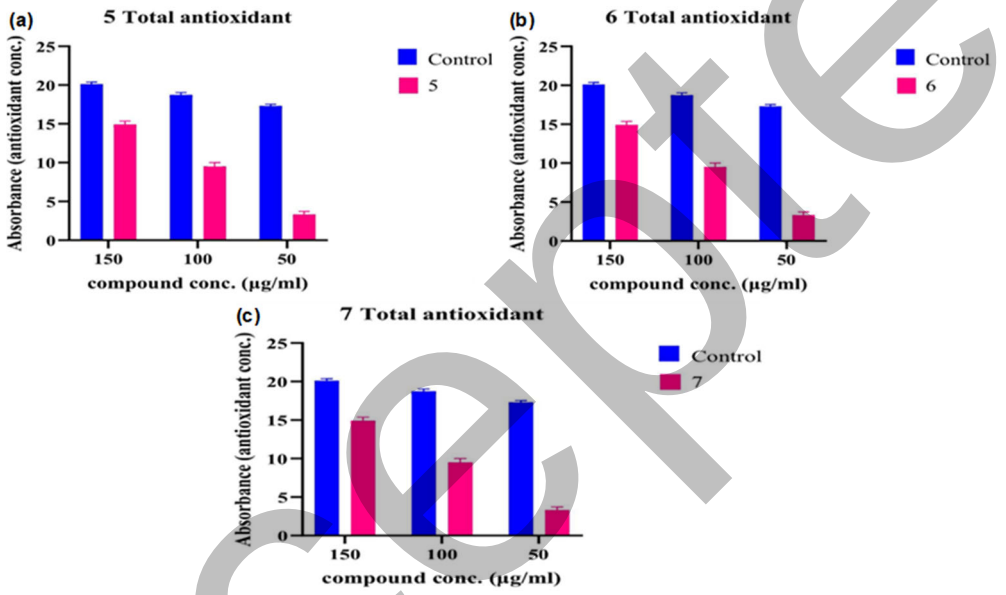

Fig S9. Antioxidant activity of (a) AAT, (b) for $[Ag(AAT)(H_2O)_2]NO_3$, and (c) for $[Cu(AAT)(H_2O)_3]Cl_2{\cdot}H_2O$

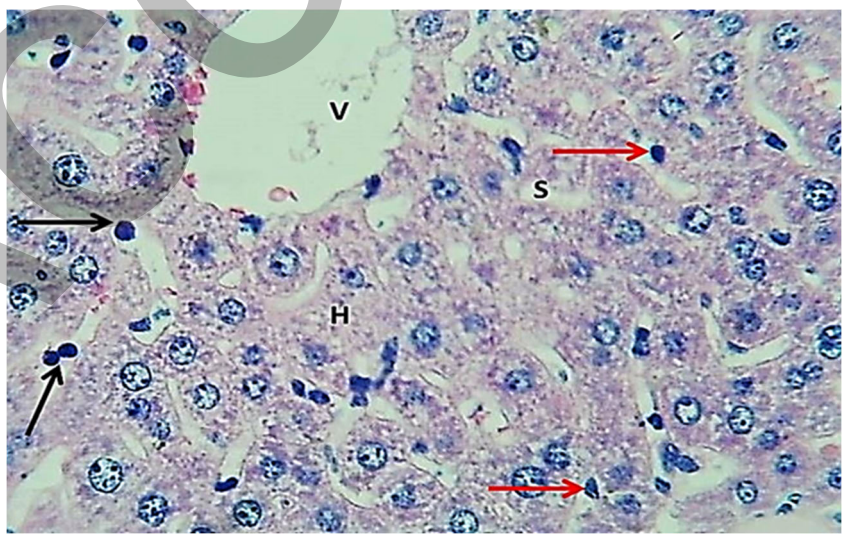

Fig S10. Section of liver (-ve control) shows normal central vein (V), hepatocytes (H), sinusoid (S), Kupffer cells (red arrow), mononuclear leukocytes (black arrows). H&E stain. 400×

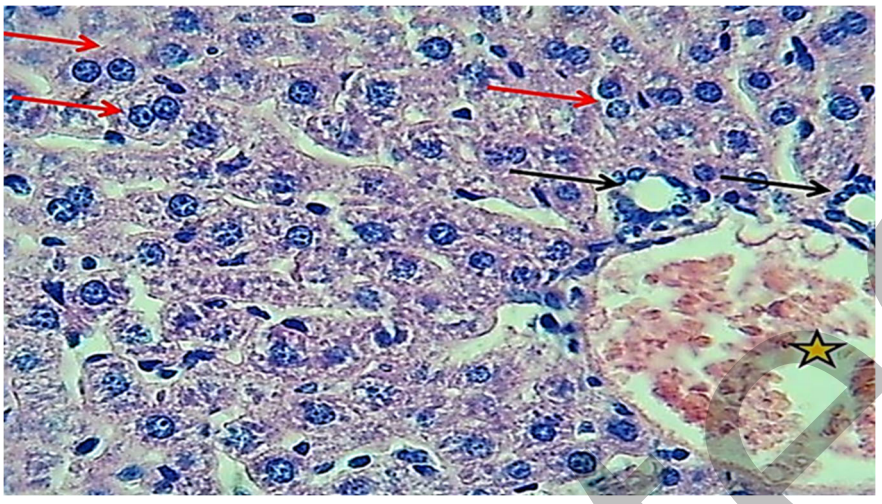

Fig S11. Section of Cu(ATT)$(H_2O)_3]Cl_2{\cdot}H_2O$) shows mild congestion of central vein (black arrows) and proliferation figures of the hepatocytes (red arrows). H&E stain. 400×