**Supplementary Information**

**Novel silver-platinum bimetallic nanoalloy synthesized from *Vernonia mespilifolia* extract: antioxidant, antimicrobial and cytotoxic activities**

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Figure S1. UV-vis absorption spectra of extract synthesized AgNPs.

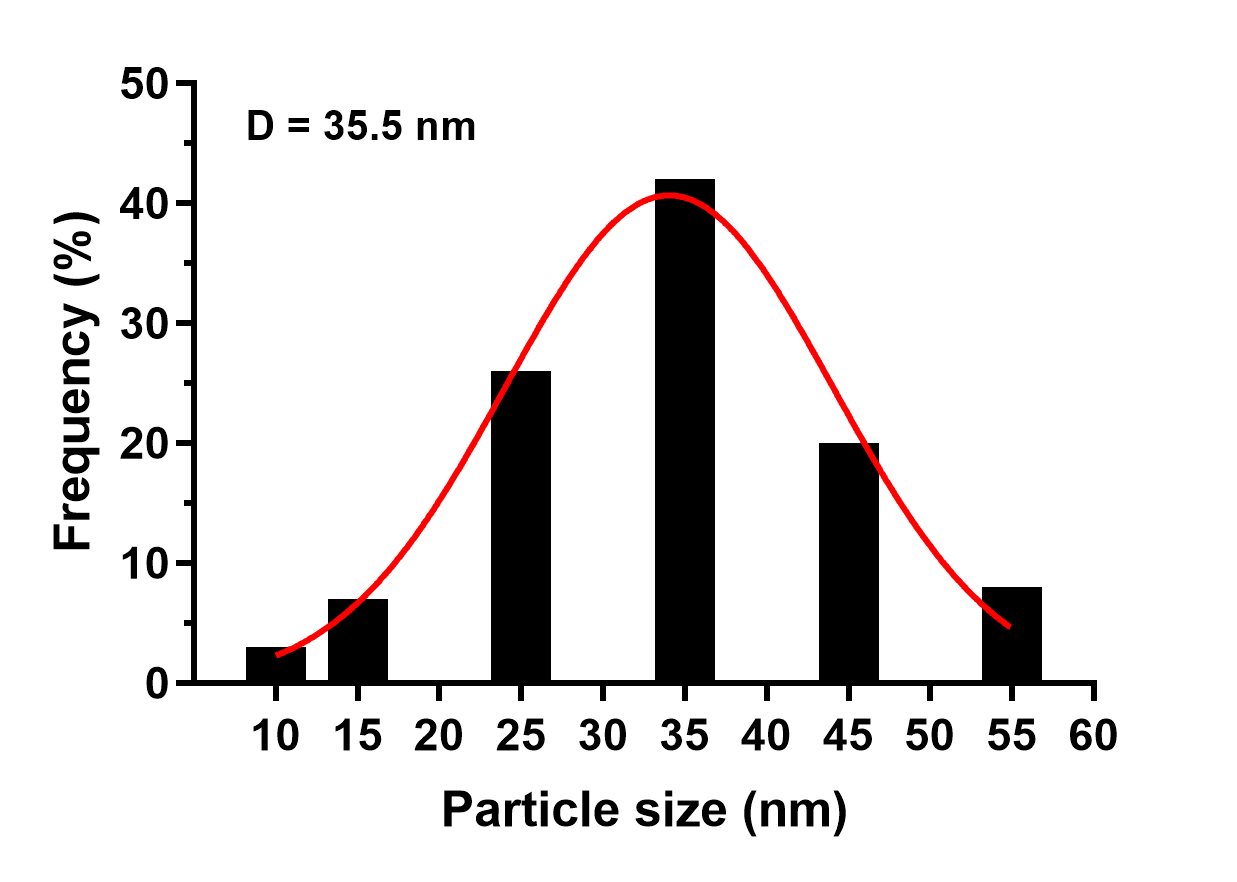


Figure S2. Histogram of particle size distribution of extract synthesized AgPtNPs.

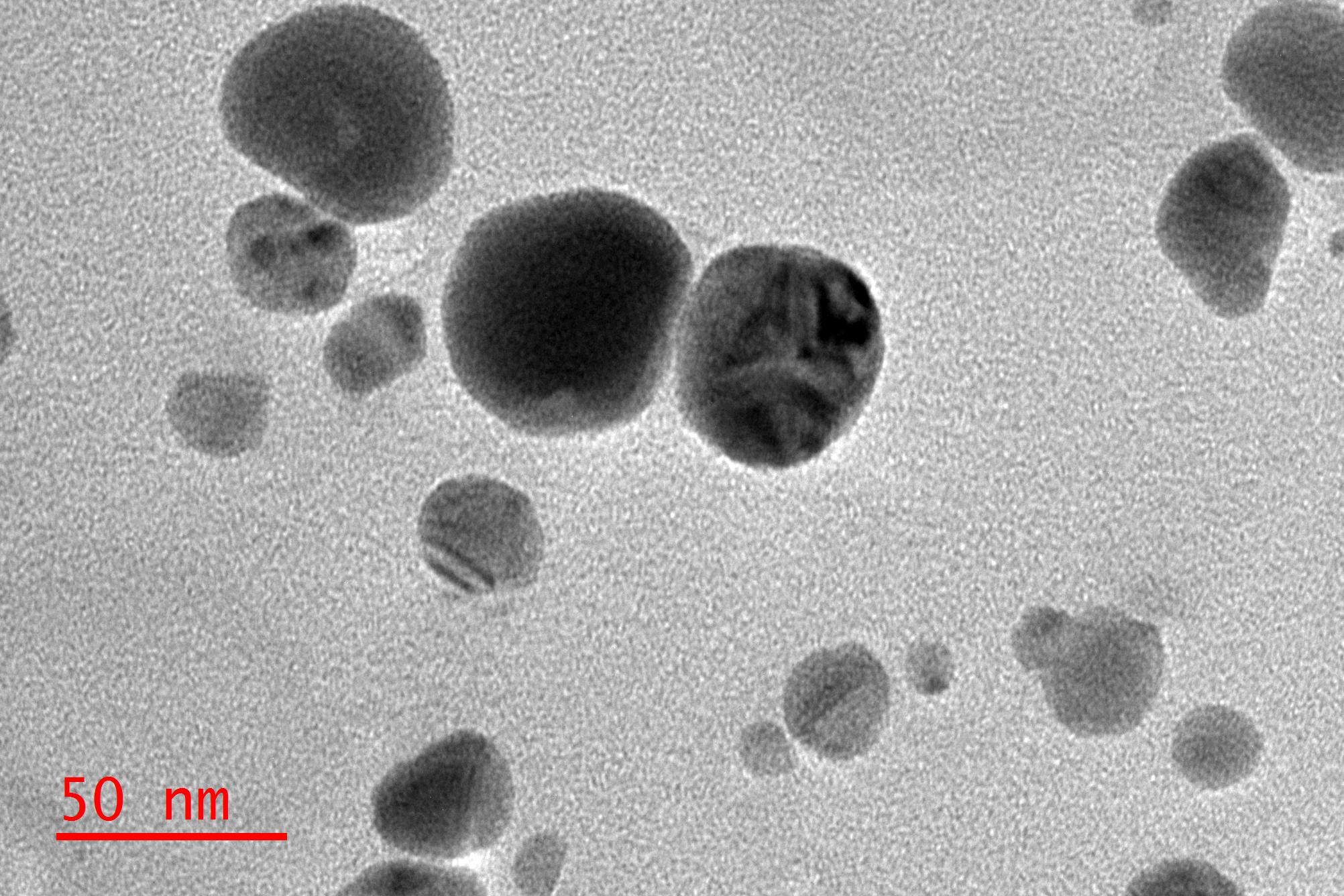


Figure S3. TEM micrograph of extract synthesized AgNPs.

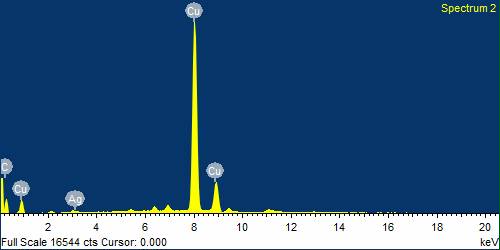


Figure S4. Representative EDS profile of extract synthesized AgNPs confirming the presence of Ag metal.