

Supplementary Informaion (SI)

Surface Plasmon Resonance Allied Applications of Silver Nanoflowers Synthesized from *Bregnia-Vitis-Idaea* Leaves Extract

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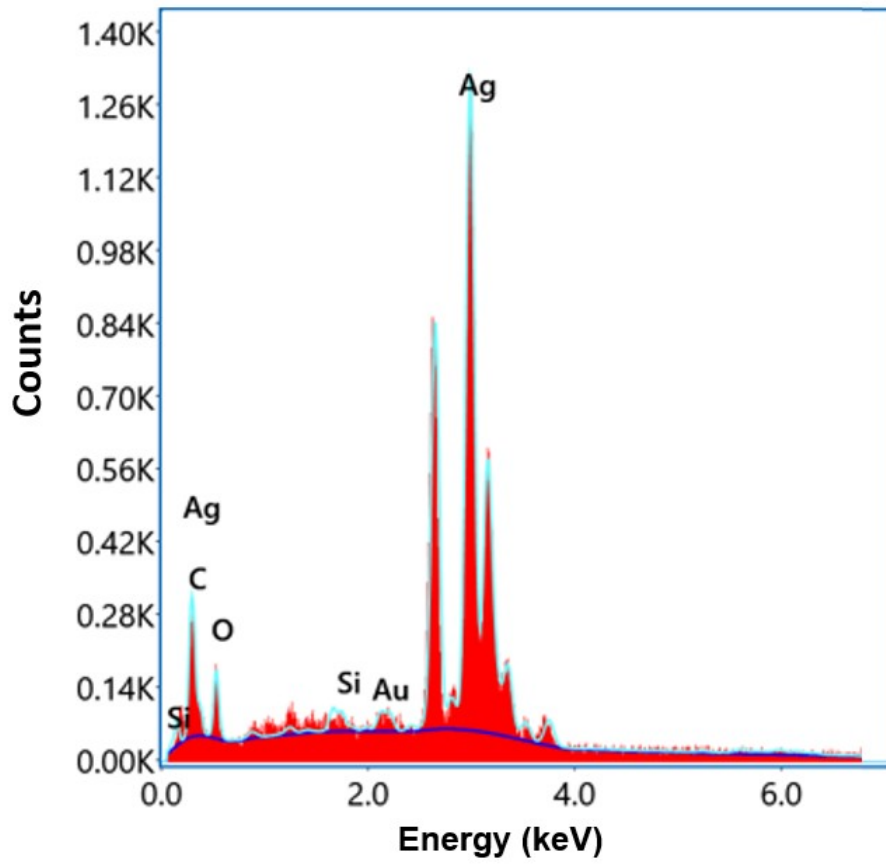


Figure S1: EDX data shows the presence of silver constituents.

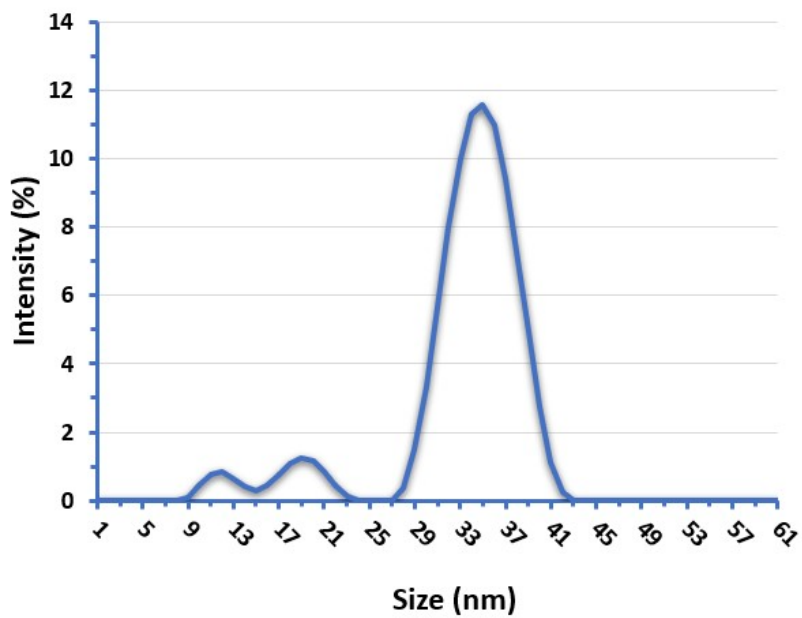


Figure S2: Particle size distribution of synthesized AgNPs using Zeta potential.

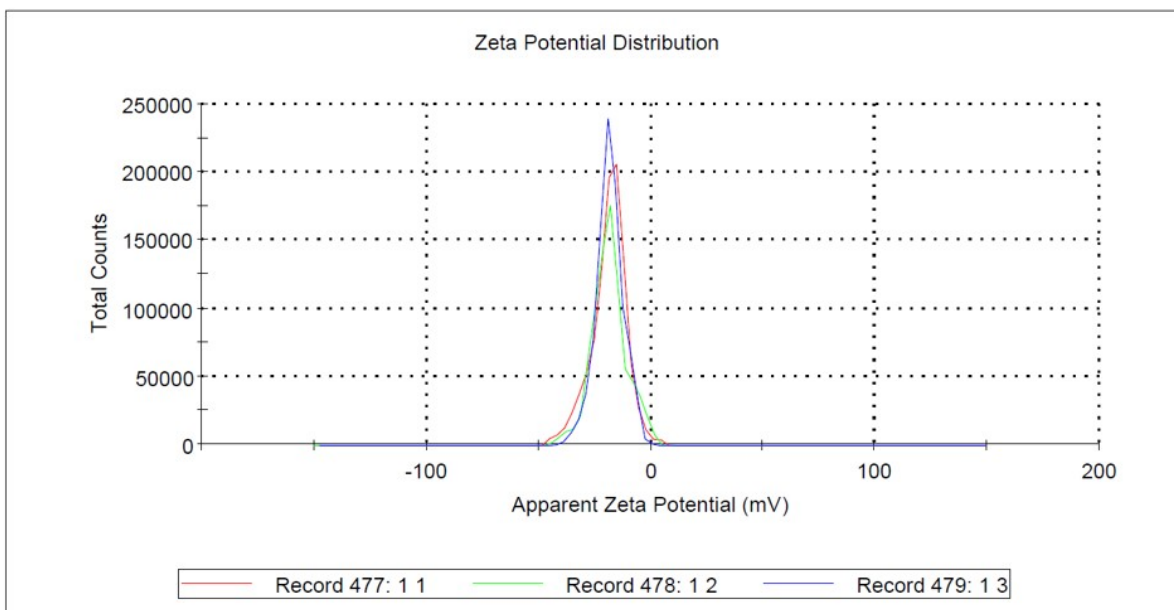


Figure S3: Zeta potential measurements of silver nanoparticles.

(a) Observation in dark



(b) Observation under sunlight



Figure S4: The color of dye CV solution with AgNPs after (60 min) and before. The change in color of CV solution after degradation in dark conditions (a) and under sunlight (b).

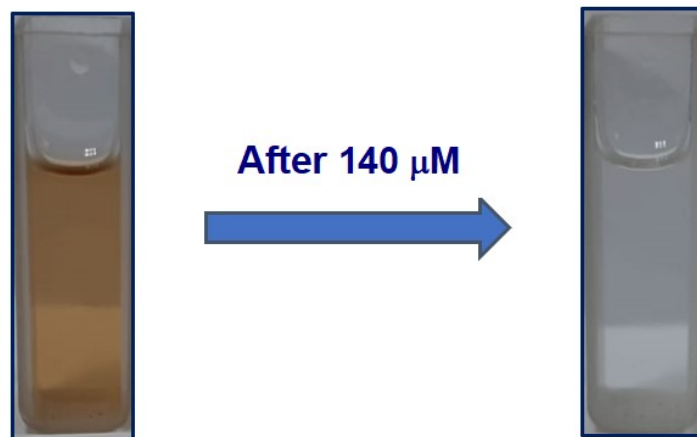


Figure S5: Change in color of AgNPs solution after addition of H₂O₂ indicating the colorimetric detection of H₂O₂ in water.