

## Electronic Supplementary Information

### Improved SERS sensing on biosynthetically grown self-cleaning plasmonic ZnO nanoleaves

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Fig 1. Particle size distribution for Au and ZnO nanoparticle

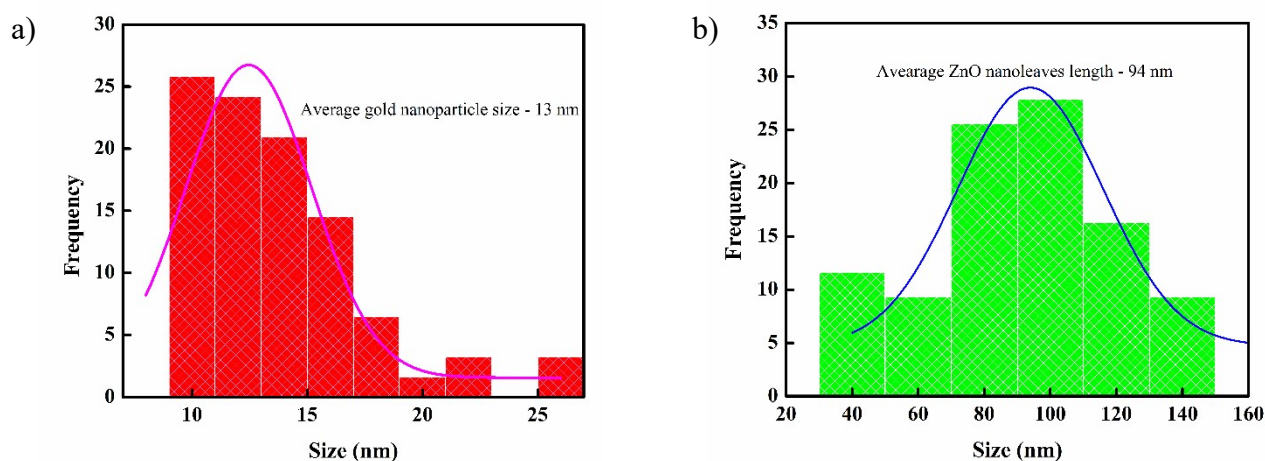


Fig. 2 Digital Images of plating assay of *S.aureus* against ZA performed in dark.

