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Synthesis of a thiol stabilized silver nanoparticle and its application towards nanomolar level colorimetric recognition of glutathione

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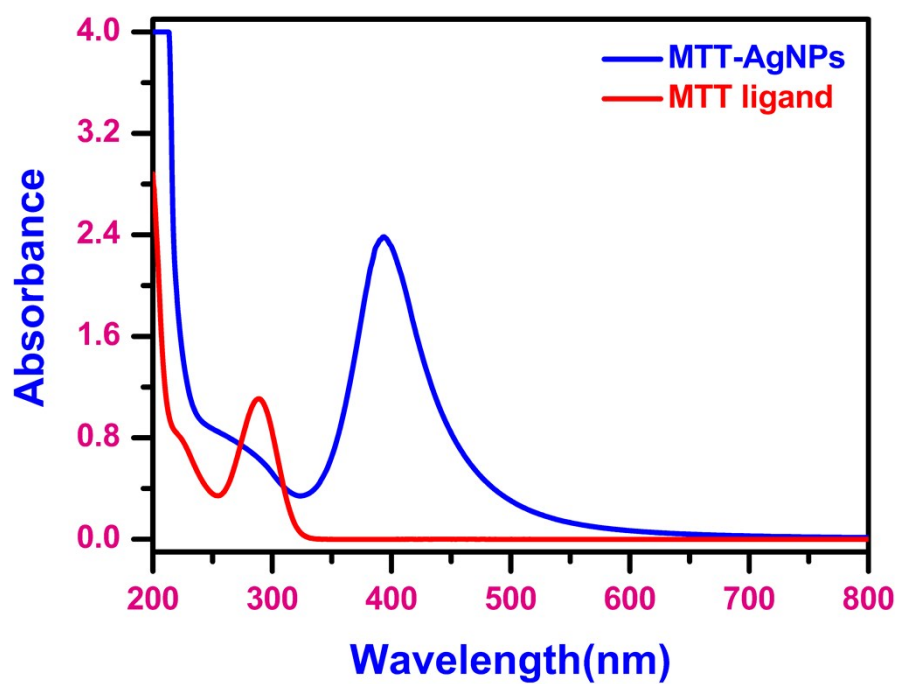


Fig. S1 UV-Visible spectra of MTT ligand (Red) and MTT-AgNPs (Blue)

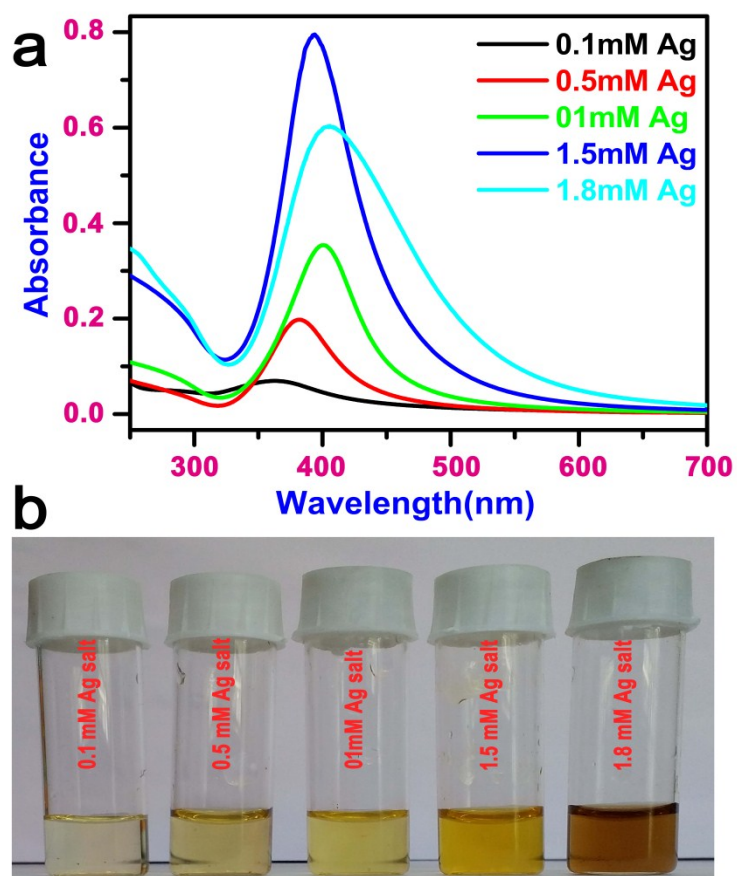


Fig. S2 (a) UV-Visible spectra of MTT-AgNPs at different conc. of metal salt and (b) their corresponding images

Table S1

AgNPs conc. depending on diff silver salt conc.			
Sample	Silver salt conc. (mM)	Abs. Value	AgNPs conc. (nM)
S1	0.1	0.07	1.13
S2	0.5	0.2	3.22
S3	0.1	0.353	5.69
S4	1.5	0.79	12.74
S5	1.8	0.6	9.67

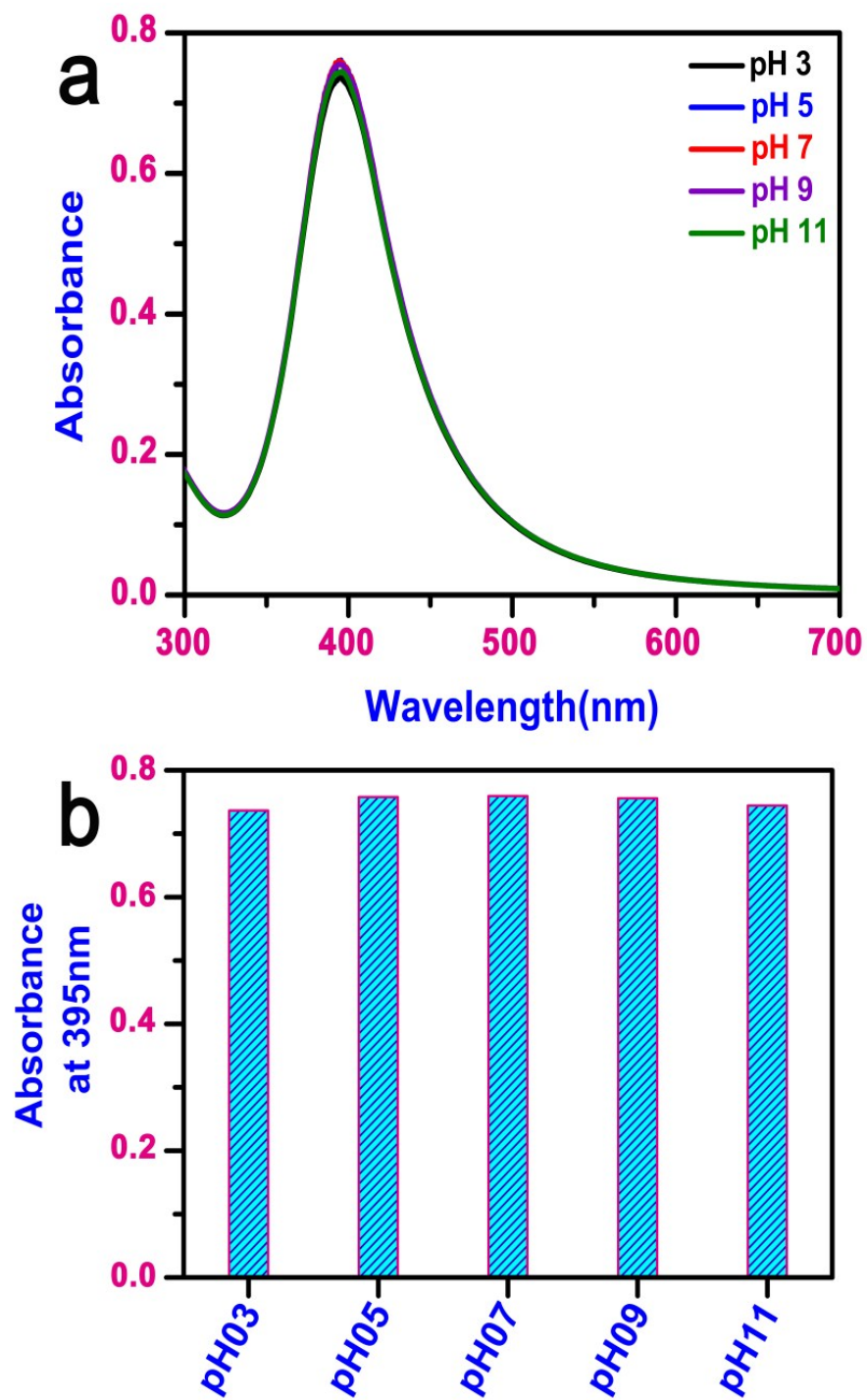


Fig. S3 (a) UV-Visible spectra of MTT-AgNPs at different pH and (b) their corresponding bar diagram representation.

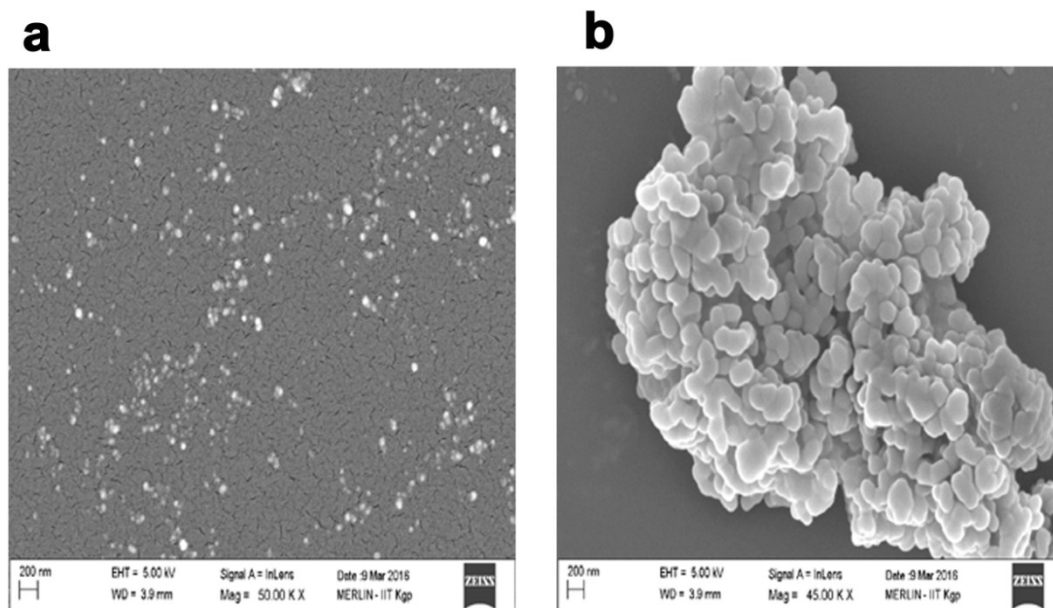


Fig. S4 FE-SEM images of (a) MTT-AgNPs and (b) MTT-AgNPs in presence of glutathione

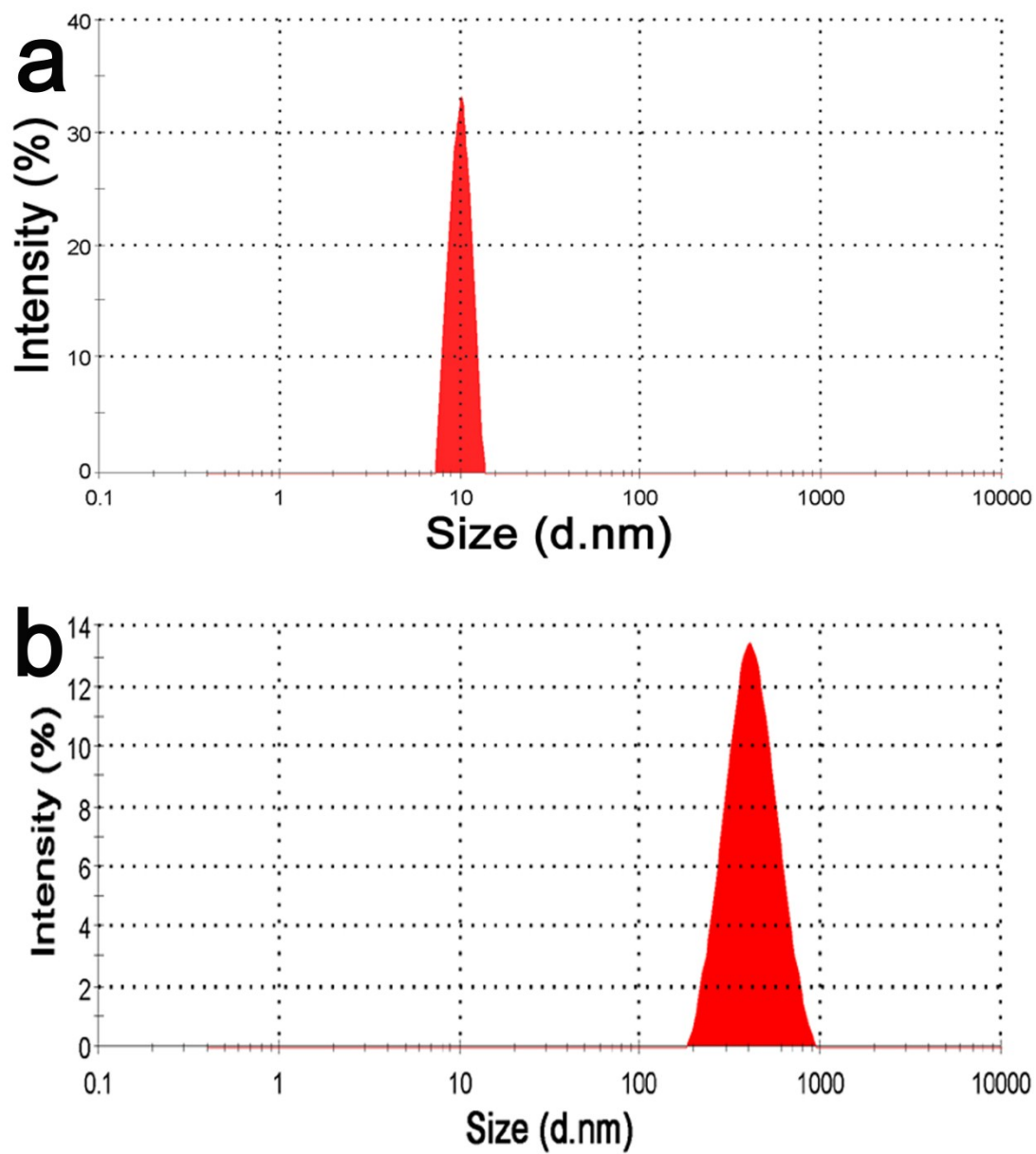


Fig. S5 DLS spectra of (a) MTT-AgNPs and (b) MTT-AgNPs in presence of glutathione

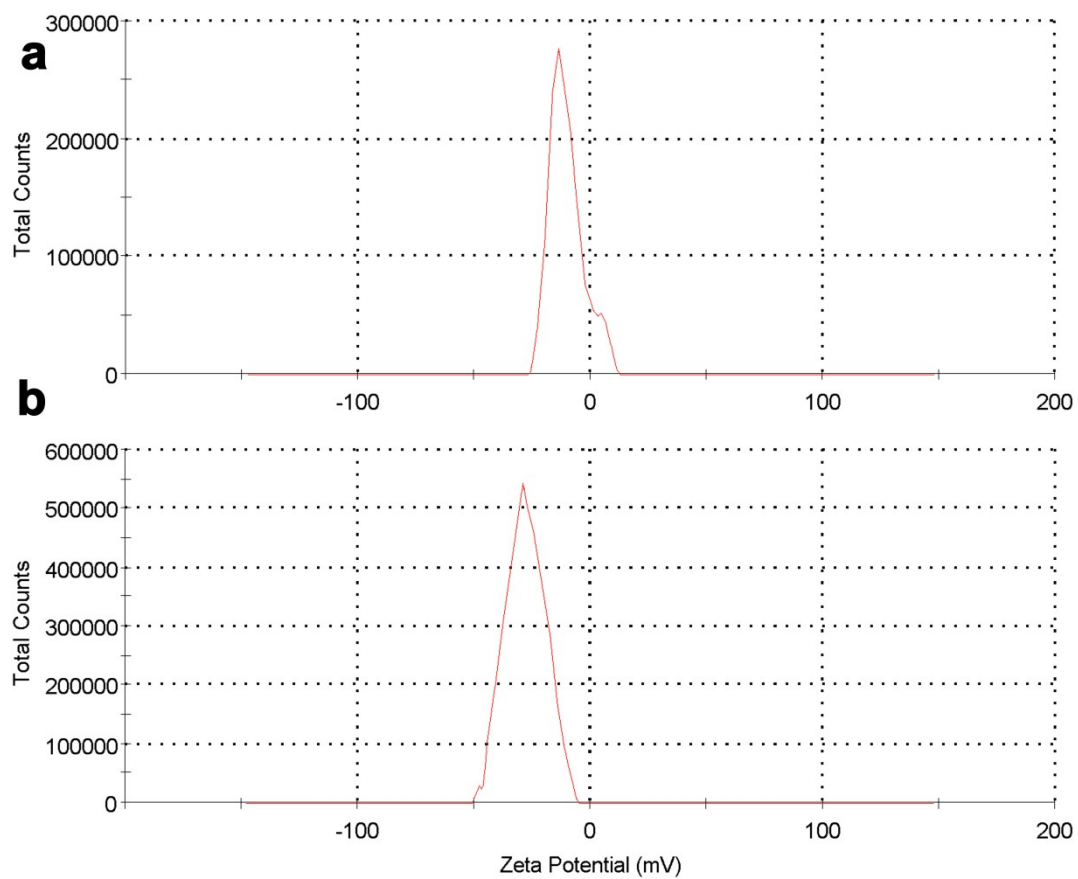


Fig. S6 Zeta potential spectra of (a) MTT-AgNPs and (b) MTT-AgNPs in presence of glutathione