

Supplementary Information

on

A novel enzyme-mediated gold nanoparticle synthesis and its application for *in situ*
detection of horseradish peroxidase inhibitor phenylhydrazine

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Fig. S1: Digital image of visual color change with increasing concentrations of sodium borohydride added to aurochloric acid taken after 15 minutes of interaction time.

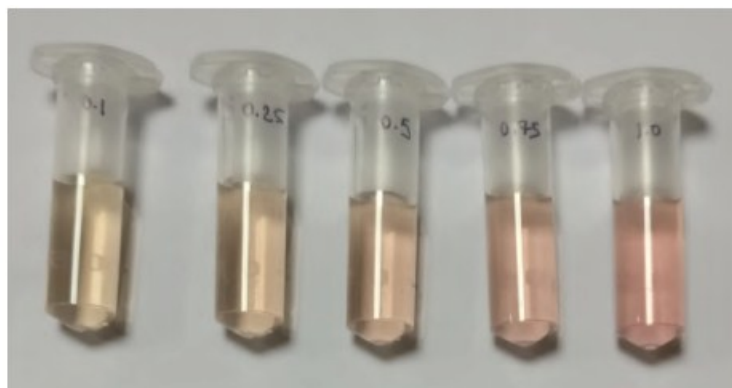


Fig. S2: Digital image of visual color change with increasing concentrations of hydrogen peroxide added to the GNP seed solution taken after 10 min of interaction time.

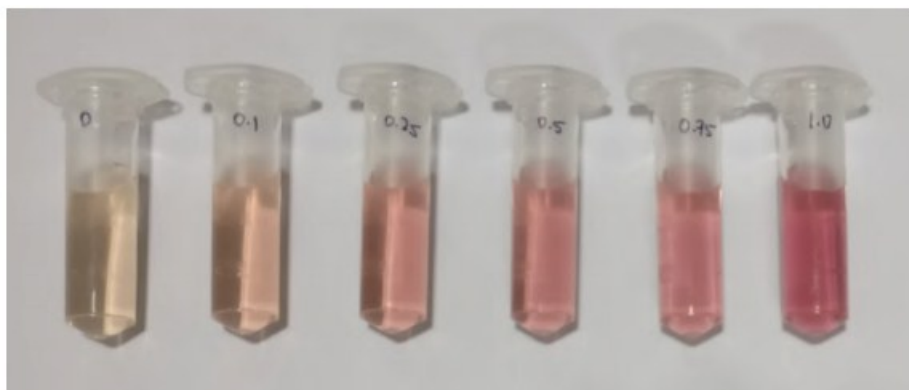


Fig. S3: Comparative study of the rate of formation of gold nanoparticles in the presence of varying concentrations of phenylhydrazine (normalized graph)

