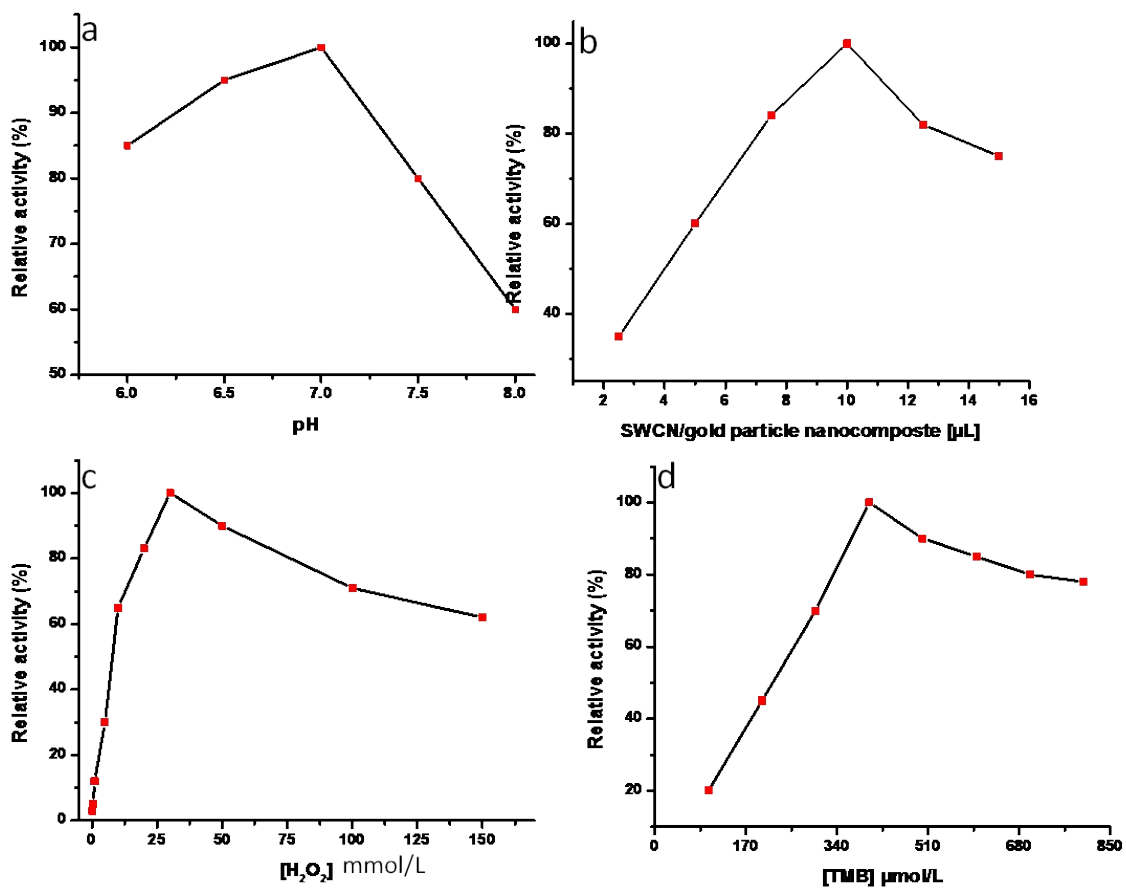


Supporting information

Figure S1 Dependence of the Peroxidase like activity of nanocomposite on; a) pH of the medium; b) nanocomposite concentration; c) H_2O_2 concentration; and d) TMB concentration



Supplementary table 1. Analytical performance of the proposed colorimetric method for H₂O₂ and D-alanine detection

Regression equation					
Analyte	Linear range (μmol/L)	Slope	Intercept	Correlation coefficient	LOD (μmol/L)
H ₂ O ₂	0.5-25	0.0268	0.0347	0.995	0.08
D-alanine	0.1-25	0.0234	0.0343	0.989	0.05