

Table T-1: Three-dimensional fluorescence spectra characteristics of HSA-TQ interaction at pH7.4 and 9.0

pH/isoform	System	Peak 1 ($\lambda_{\text{ex}}/\lambda_{\text{em}}$) (nm/nm)	$\Delta\lambda$ (nm)	Intensity (<i>F</i>)	Peak 2 ($\lambda_{\text{ex}}/\lambda_{\text{em}}$) (nm/nm)	$\Delta\lambda$ (nm)	Intensity (<i>F</i>)	Peak 3 ($\lambda_{\text{ex}}/\lambda_{\text{em}}$) (nm/nm)	$\Delta\lambda$ (nm)	Intensity (<i>F</i>)
pH 7.4/N	HSA	230/340	110	295.4	280/340	60	505.3	280/280→ 350/350	0	128.1→ 195.3
	HSA + TQ (1:1)	230/340	110	241.2	280/340	60	482.2	280/280→ 350/350	0	167.8→ 265.2
pH 9.0/B	HSA	225/340	115	214.0	280/340	60	345.3	280/280→ 350/350	0	130.8→ 199.1
	HSA + TQ (1:1)	225/340	115	204.4	280/340	60	323.4	280/280→ 350/350	0	149.0→ 231.2

Table T-2: Comparison between the Antioxidant Activity of TQ with ABTS^{•+} at Specific concentration (100 μ L), and Time-Points.

pH/isoform	pH 7.4/N	pH 9.0/B
TQ (2500 μ M)	47.45%	96.19%
HSA (100 μ M)	50.37%	99.98%
HSA + TQ	81.39%	100%

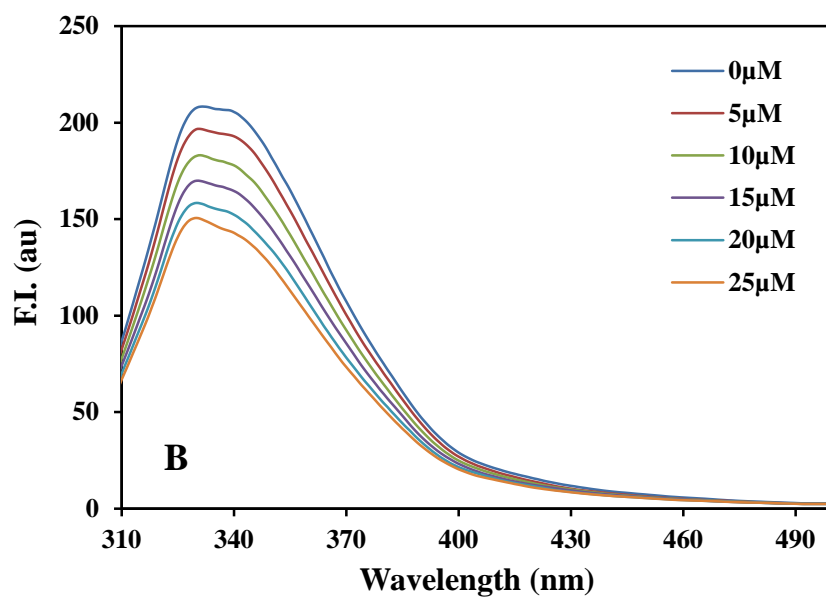
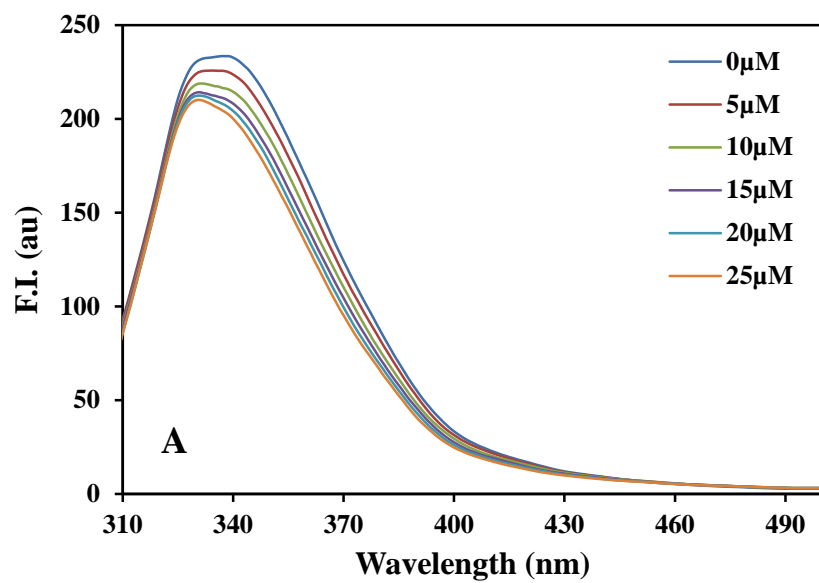


Figure: S-1

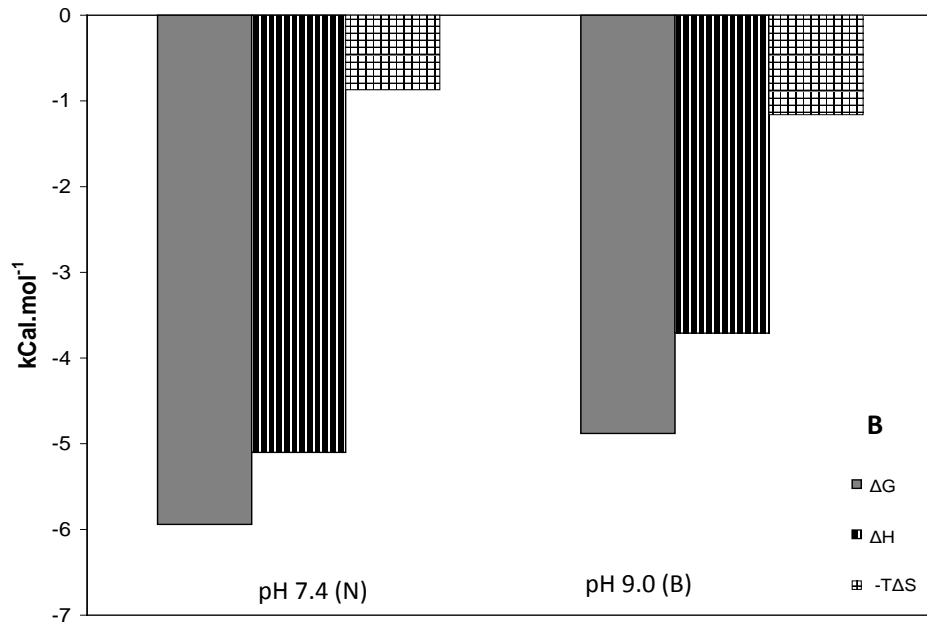
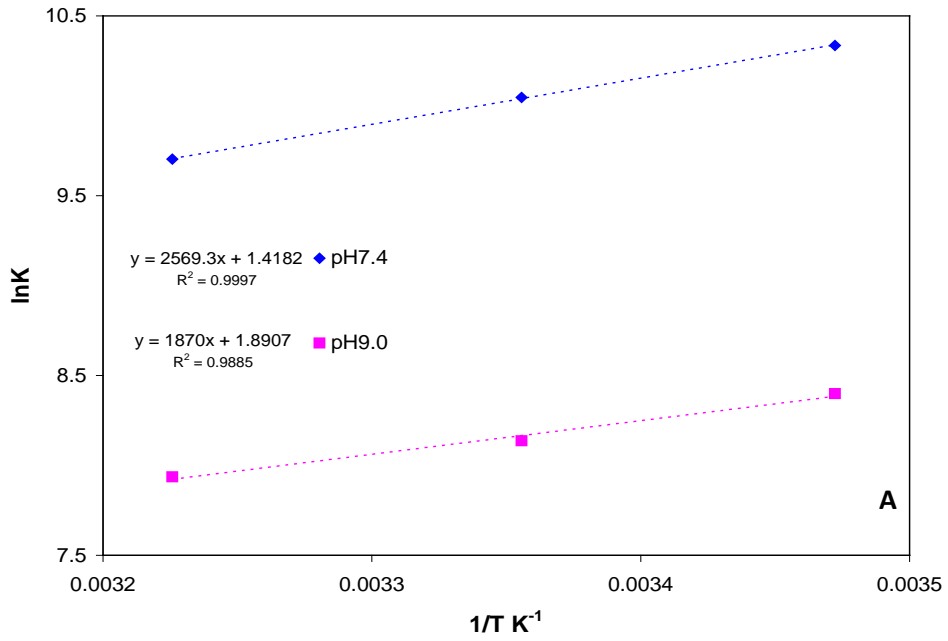


Figure: S-2

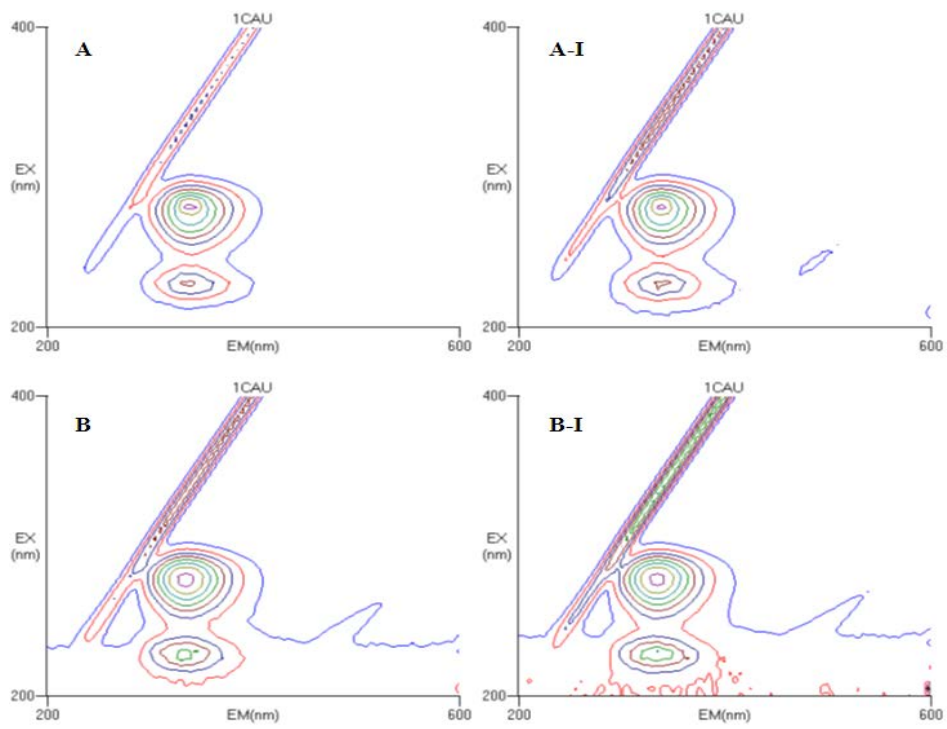


Figure: S-3

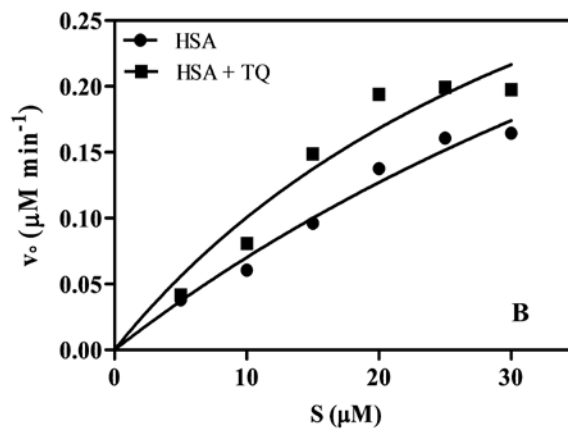
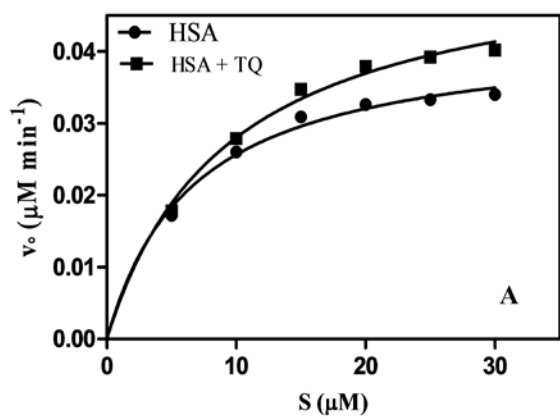


Figure: S-4