Electronic Supplementary Material (ESI) for RSC Advances.

Supplementary data

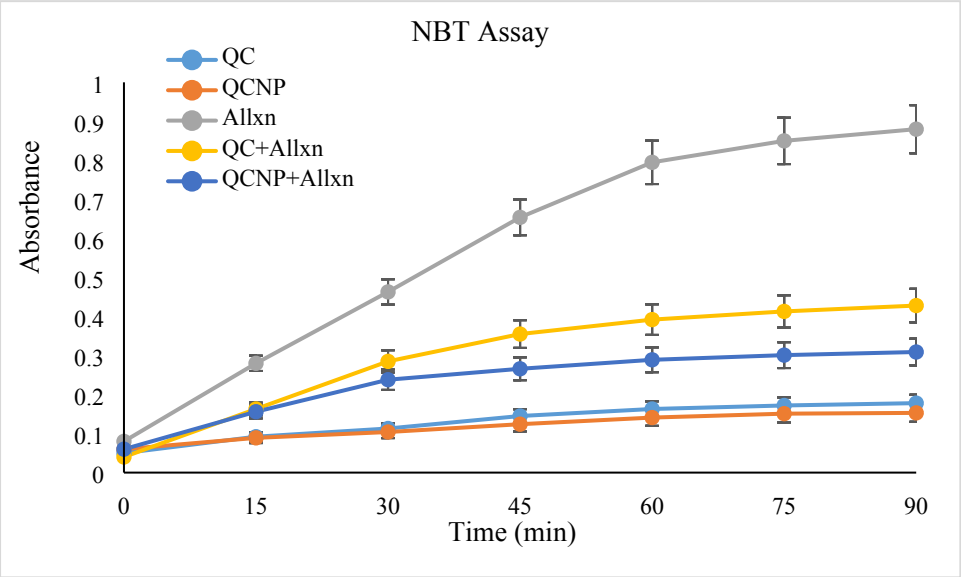

Figure 1S. NBT Assay for superoxide anion generation.

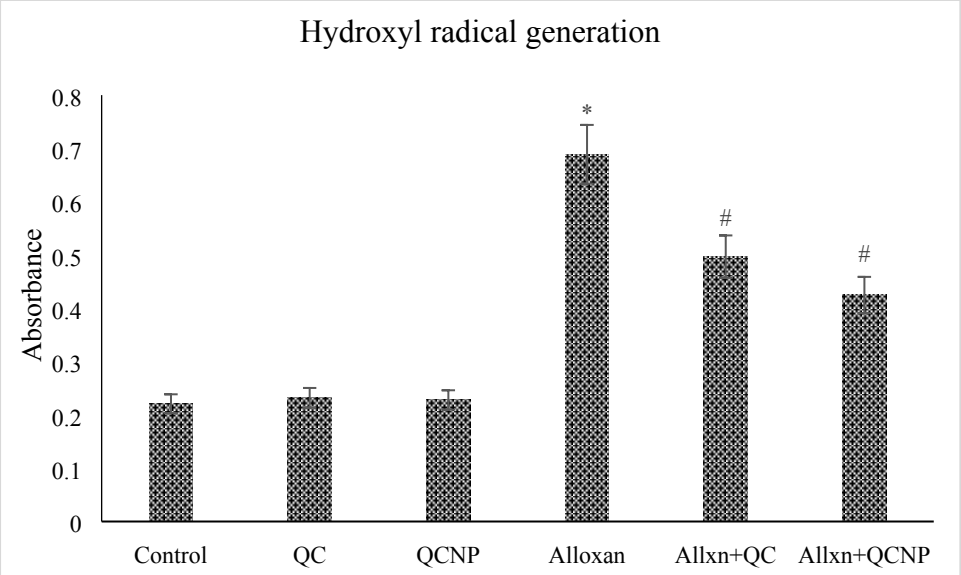

Figure 2S. Hydroxyl radical generations. All the data have been expressed in mean ± SEM for five different preparation of each sample of three independent experiments. * indicates significantly different from control at $p \leq 0.05$. # indicates significantly different from diabetic group at $p \leq 0.03$.

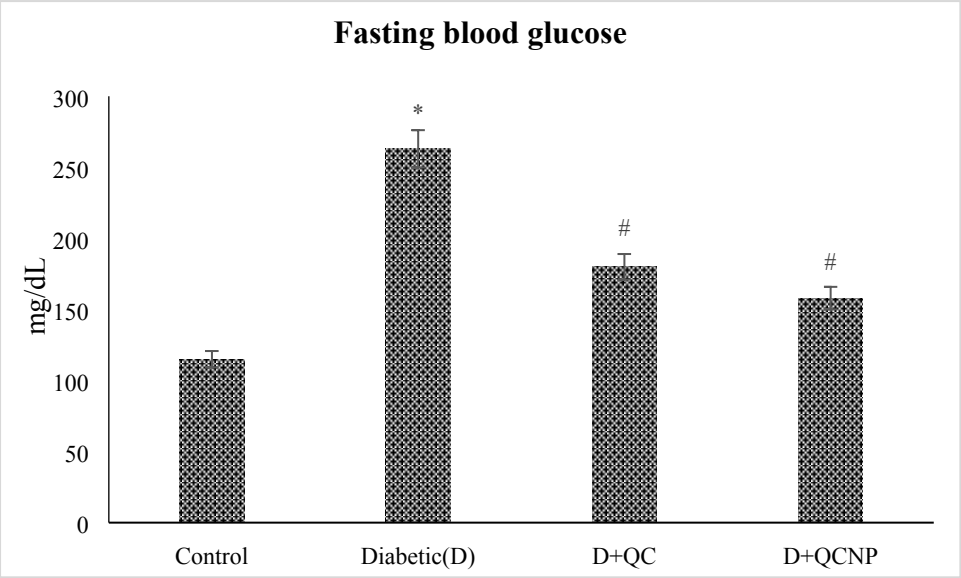

Figure 3S. Fasting blood glucose of control, diabetic, diabetic group treated with quercetin and quercetin nanoparticle. All the data have been expressed in mean ± SEM for five different preparation of each sample of three independent experiments. * indicates significantly different from control at $p \leq 0.05$. # indicates significantly different from diabetic group at $p \leq 0.03$.

Parameters	Samples	Control	Diabetic	Diabetic+QC	Diabetic+QCNP
SOD	Liver	118.62±4.65	80.98±2.87*	104.18±4.5#	112.86±4.76#
(unit/mg protein/min)	Kidney	90.26±2.34	65.50±1.78*	78.54±2.9#	82.12±2.21#
	Pancreas	28.91±1.12	14.52±0.45*	17.22±1.5	22.80±0.32#
Catalase	Liver	36.44±0.42	24.86±0.28*	30.51±1.8	32.34±0.52#
(nmole/mg protein/min)	Kidney	34.61±0.55	12.65±0.18*	23.65±1.7#	28.83±0.23#
	Pancreas	16.76±0.10	5.43±0.05*	8.55±1.1	12.48±0.07#
GSH	Liver	48.81±1.78	36.04±1.90*	41.89±2.3	45.90±2.11#
(nmole/gram tissue)	Kidney	62.13±2.41	43.06±1.81*	49.12±3.1#	57.10±2.18#
	Pancreas	74.93±4.17	58.23±2.24*	68.29±4.12#	70.60±2.56#

Table 1S. Antioxidant parameters of Control, Diabetic, Diabetic group treated with quercetin and quercetin nanoparticle. All the data have been expressed in mean ± SEM for five different preparation of each sample of three independent experiments. * indicates significantly different from control at $p \leq 0.05$. # indicates significantly different from diabetic group at $p \leq 0.05$.