Electronic Supplementary Material (ESI) for RSC Advances.

Supplementary Figures:

Fig. S1

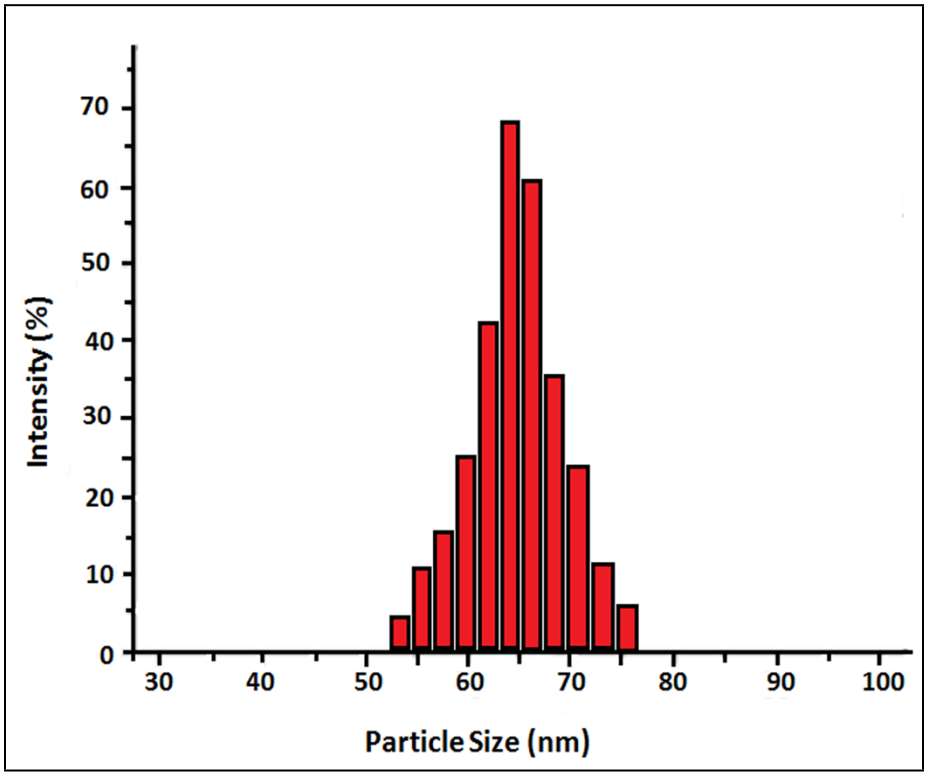

Fig. S1: Particle size of Hydroxyapatite (HAp) nanoparticles by Dynamic Light Scattering technique

Fig. S2

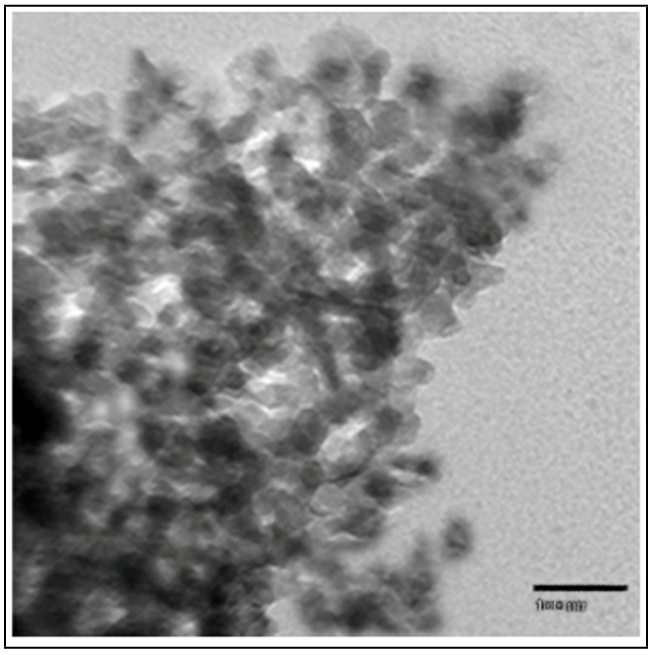

Fig. S2: Transmission Electron Microscopic (TEM) picture of Hydroxyapatite nanoparticles.

Fig. S3

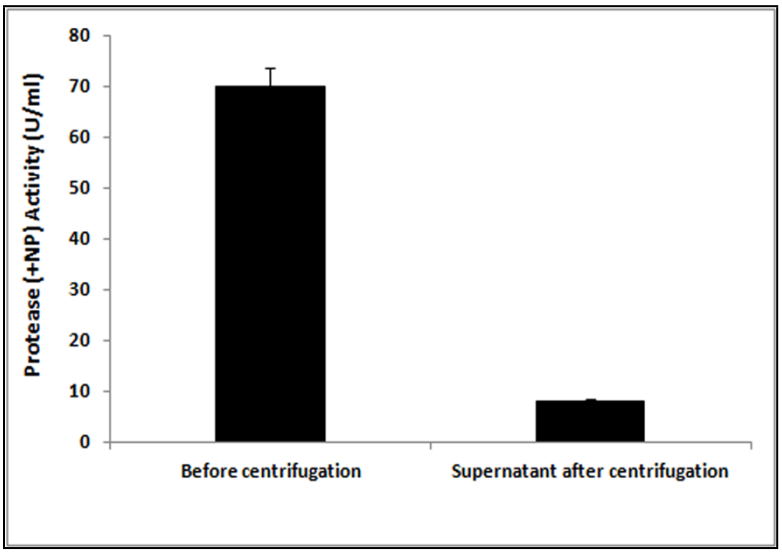

Fig. S3: Determination of protease enzyme adsorption onto NP by centrifugation.

Fig. S4

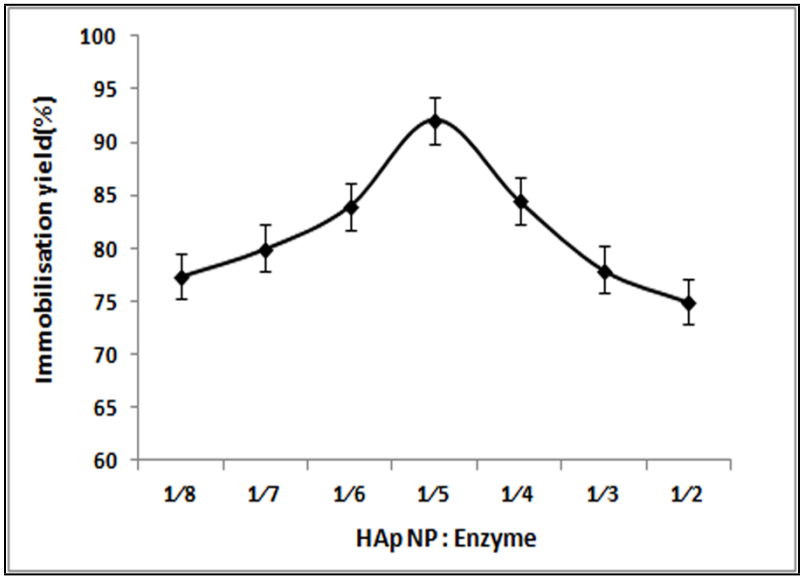

Fig. S4: Optimisation of enzyme immobilisation yield (%) of protease enzyme on HAp NP

Fig. S5

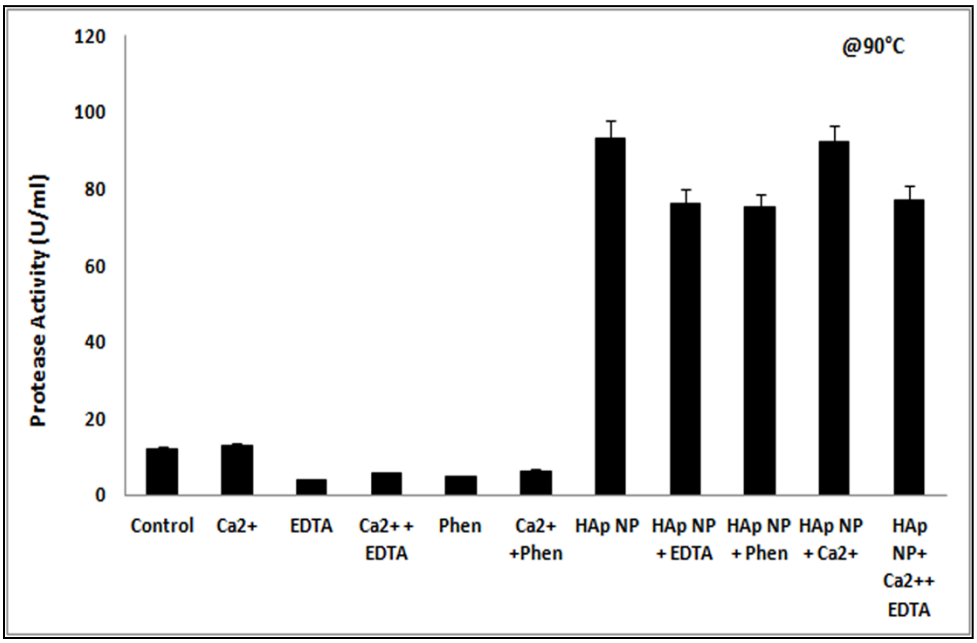

Fig. S5: Determination of protease (+NP) thermal stability in presence of inhibitor as well as Ca^{2+} ion.

Fig. S6

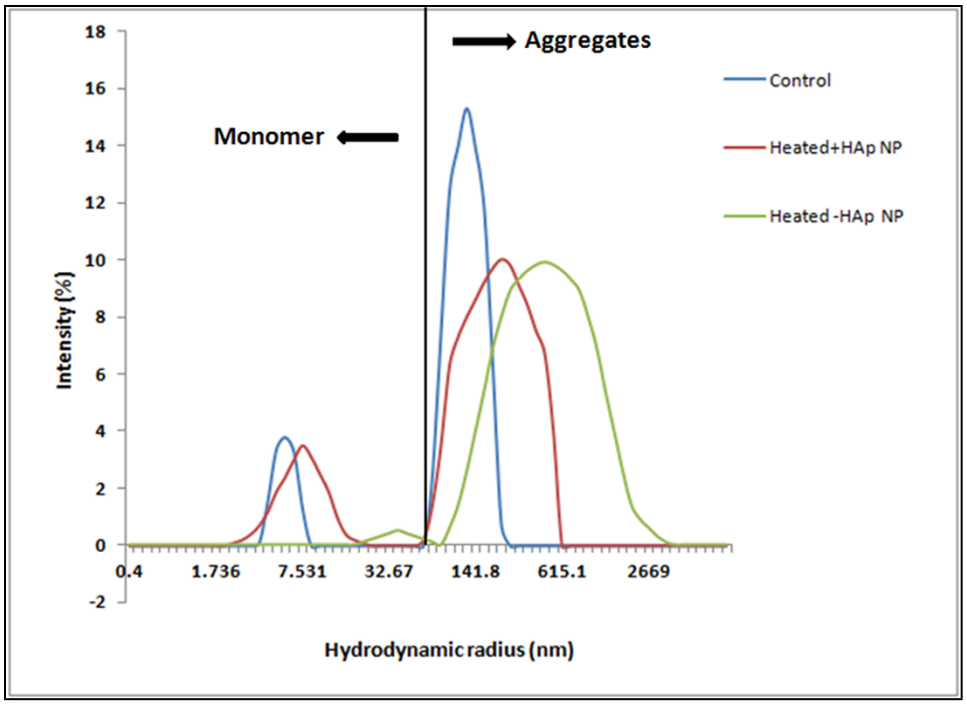

Fig. S6: Study of hydrodynamic radius shift of protease enzyme on HAp NP treatment at high temperature.

Fig. S7

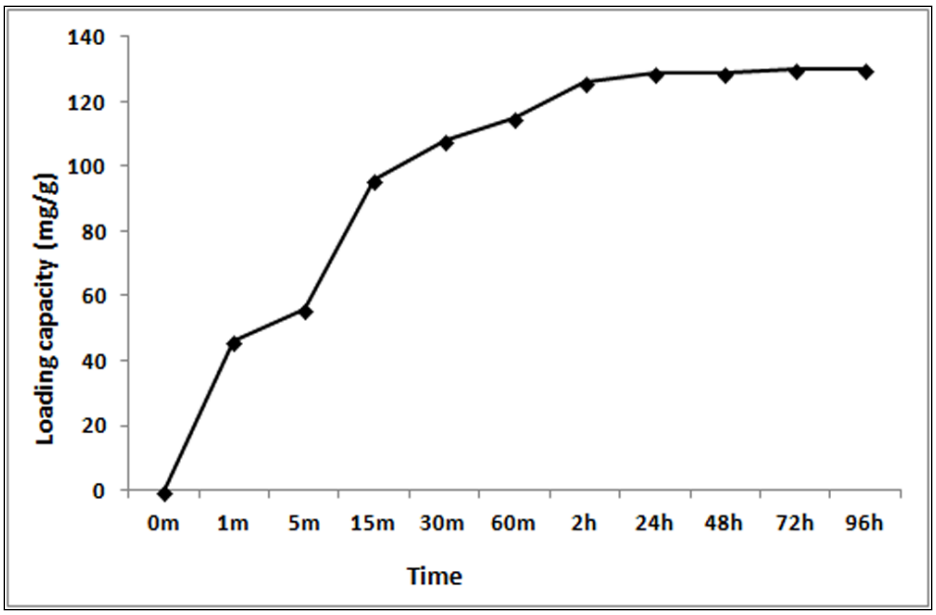

Fig S7: Optimisation of loading capacity of protease enzyme on HAp NP with different time scale.