

## Supplementary Materials

### Generation of BSA-capsaicin Nanoparticles and Their Hormesis Effect on the *Rhodotorula mucilaginosa* Yeast

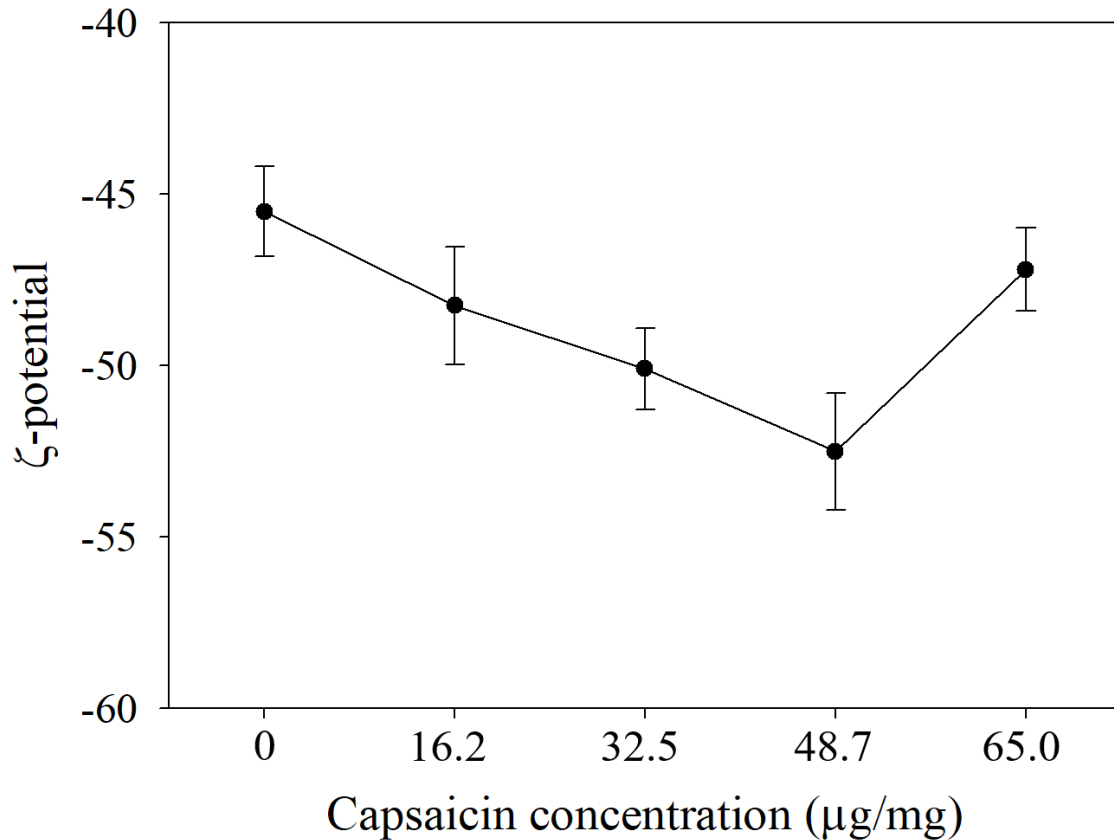


Figure S1: The  $\zeta$ -potential of BSA-capsaicin nanoparticles showed a decrease in the electronegativity associated to the accumulation of capsaicin into the nanoparticle core. At 65.0  $\mu\text{g}/\text{mg}$  the saturation with capsaicin produces a significant increment of the  $\zeta$ -potential.



Figure S2: Electrophoretic patterns of PCR products of the 18S rRNA gene and rDNA internal transcribed spacer ITS1-4 genomic region. Lane 1, 2 negative control of each primer pair (no DNA added); lanes 3, 4 correspond to gene 18S rRNA 1500 pb amplified using primers 18S F and 18S R; lanes 5, 6, 7 and 8, a 600 pb band corresponding to ITS1-4 amplicon using universal primers ITS 1 and ITS 4. MW molecular weight 1 Kb Plus (Invitrogen). The annealing temperature in both cases was 60 °C.