

Figure captions

Figure 1 SEM images of free films surface of (a) HAS alone, (b) zein alone, (c) 1:7 HAS/Zein, (d) 1:5 HAS/Zein and (e) 1:3 HAS/Zein films.

Figure 2 (A) AFM topographic images and (B) corresponding LTA measurements of (a) HAS alone (b) zein alone (c) 1:7 HAS/Zein (d) 1:5 HAS/Zein and (e) 1:3 HAS/Zein free films.

Figure 3 FT-IR spectra of zein alone film, HAS alone film, and 1:7, 1:5 and 1:3 HAS/Zein films in the spectral region of 500 to 4000 cm^{-1} .

Figure 4 Dissolution profiles in 0.1 M HCl of paracetamol tablets coated (TWG = 20%) with zein alone, 1:5 HAS/Zein and 1:3 HAS/Zein pseudolatexes. Each point represents the mean value \pm SD ($n = 3$).

Figure 5 Dissolution profiles of paracetamol tablets coated (TWG = 20%) with zein pseudolatex alone and 1:5 HAS/Zein pseudolatex in SGF (with pepsin) pH 1.2 (2 hours) then SIF (with pancreatin) pH 6.8 (6 hours). Each point represents the mean value \pm SD ($n = 3$). (Error bars within data points).

Figure 6 Release profile of paracetamol from tablets coated (TWG = 20%) with zein alone (black lines) and 1:5 HAS/Zein dispersions (red lines) in colonic (solid lines) and control (dashed lines) conditions. Each point represents the mean \pm SD ($n = 3$).

Figure 7 SEM images of paracetamol tablets coated with zein alone (upper row) and tablets coated with 1:5 HAS/Zein (lower row) aqueous dispersions: prior to any treatment (a); and after 24 hours immersion in: control (b); and colonic (c) conditions.