Fig. 1S

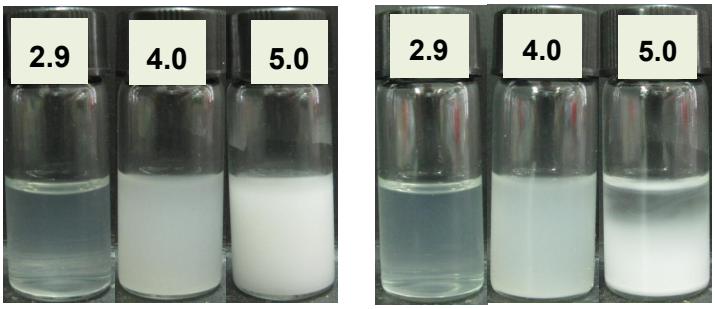

Fig. 1S Appearance of the fresh GCHPs dispersions (left) and the GCHPs after 1 day of storage (right) as a function of pH

Fig. 2S

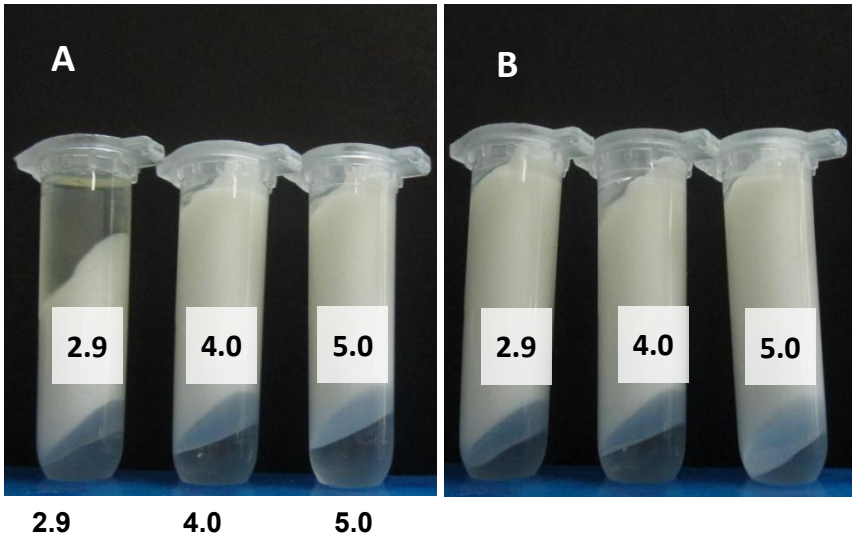

Fig. 2S Visual appearance of Pickering high internal phase emulsions (HIPEs) without (A) or with (B) 50 mM NaCl after centrifugation as a function of pH

Table 1S. Effect of pH on the particle size and zeta potentials of the gliadin/chitosan hybrid particles in the absence or presence of 50 Mm NaCl

pH	NaCl(mM)	Particle size	PDI	Zeta potentials
2.9	0	190.3 ± 16.5	0.937 ± 0.088	52.1 ± 0.9
	50	225.1 ± 8.6	0.229 ± 0.002	28.1 ± 0.5
4	0	216.6 ± 1.6	0.236 ± 0.002	30.6 ± 1.9
	50	276.4 ± 2.8	0.161 ± 0.001	27.4 ± 0.3
5	0	588.8 ± 18.5	0.130 ± 0.001	19.2 ± 0.2
	50	531.8 ± 28.2	0.139 ± 0.004	17.5 ± 1.0

Table 2S. Effect of salt concentrations on creaming index and particle size of the Pickering emulsions stabilized by the complex particles

Salt Conc (mM)	CI	$d_{4,3}$
0	49.44 ± 0.03	20.5 ± 0.05
10	44.99 ± 0.02	18.9 ± 0.01
20	29.88 ± 0.02	17.7 ± 0.45
50	27.32 ± 0.05	29.3 ± 3.85
100	19.05 ± 0.04	25.5 ± 0.5
200	9.92 ± 0.05	30.3 ± 0.1

The emulsions were produced at a fixed oil phase fraction (50%) and by 2% complex particles.

CI: creaming index of the emulsions after 3 days of storage