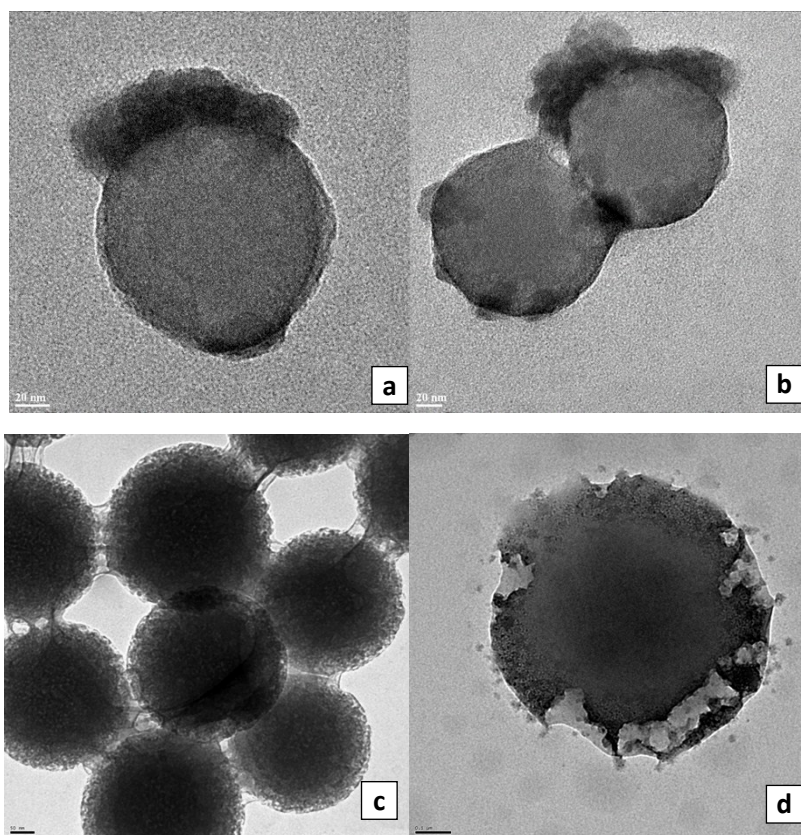
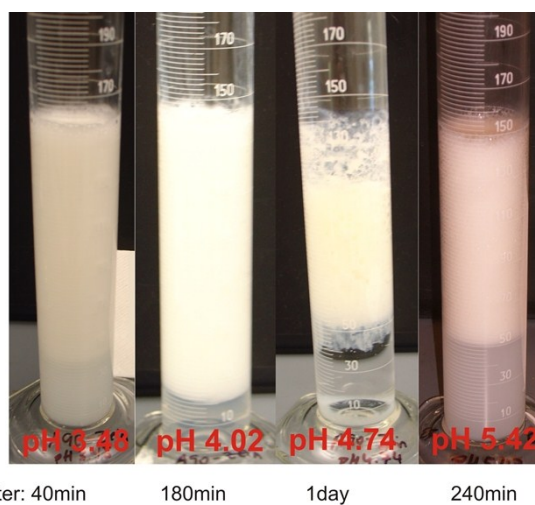


Organic-inorganic patchy particles as a versatile platform for fluid-in-fluid dispersion stabilisation

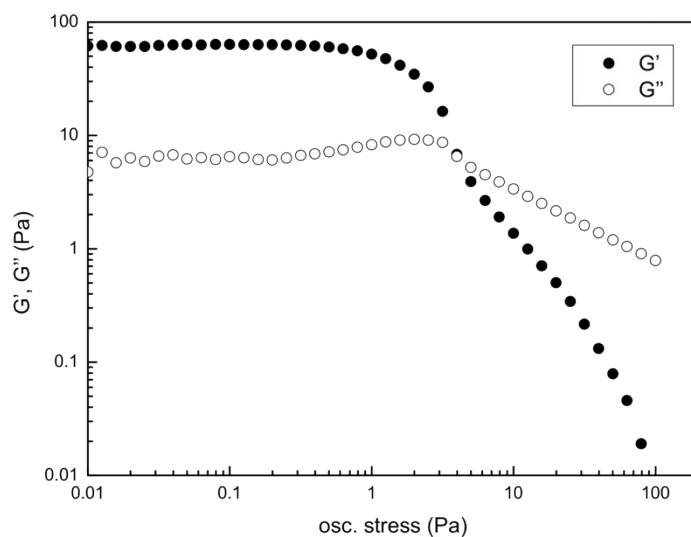
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Supplemental Figure 1S TEM images of zein coated silica spheres. (a) and (b) Colloidal silica particles (100 nm) with zein patches at ZSSR = 5 mg/m². (c) Unetched silica spheres (diameter ~ 330 nm) fully coated with a zein layer from solutions with ZSSR = 62 mg/m². (d) Zein capsules obtained after partial dissolution of the silica core.



Supplemental Figure 2S Images of foam stabilized by heterogeneously patterned with zein silica particles. These images show the foam stability at different pH after different elapsed times.



Supplemental Figure 3S Stress dependence of storage and loss moduli (G' and G'') of a concentrated (O/W) emulsion ($\phi_w = 0.23$). The applied frequency was 1 Hz.