

Stabilization of Palygorskite Aqueous Suspensions Using Bio-Based and Synthetic Polyelectrolytes

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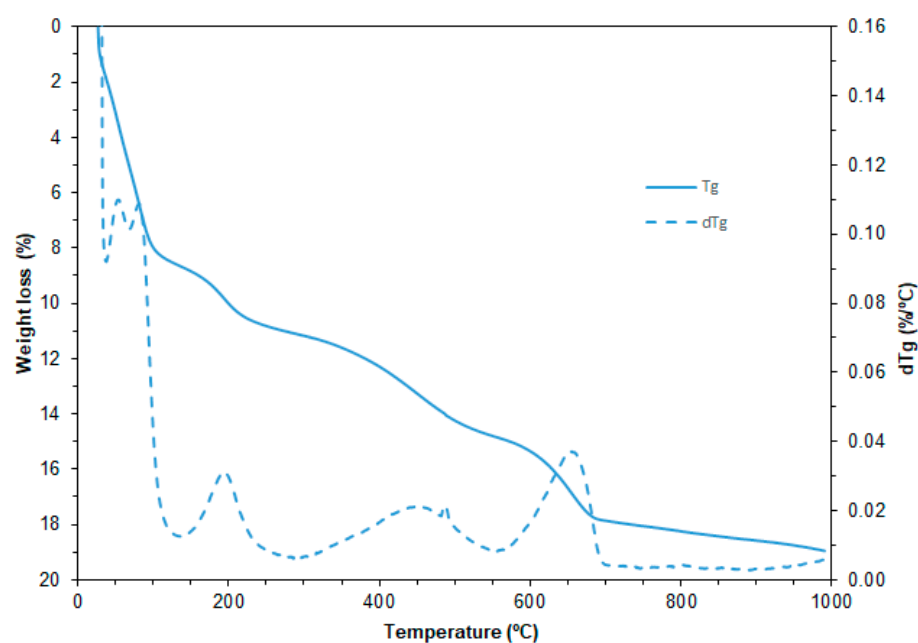


Figure S1. Thermogravimetry (solid) and derivative (dashed) curves for the palygorskite.

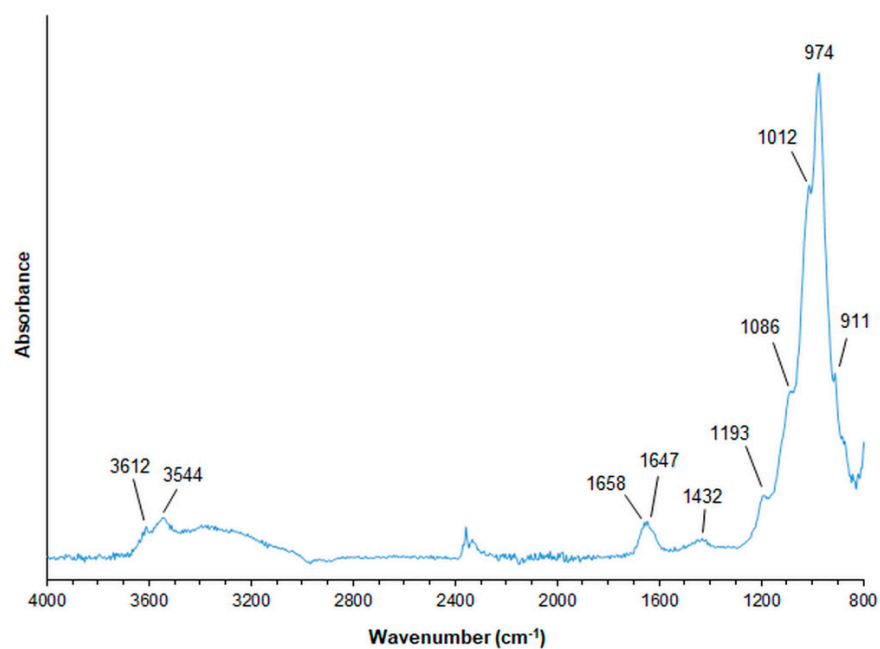
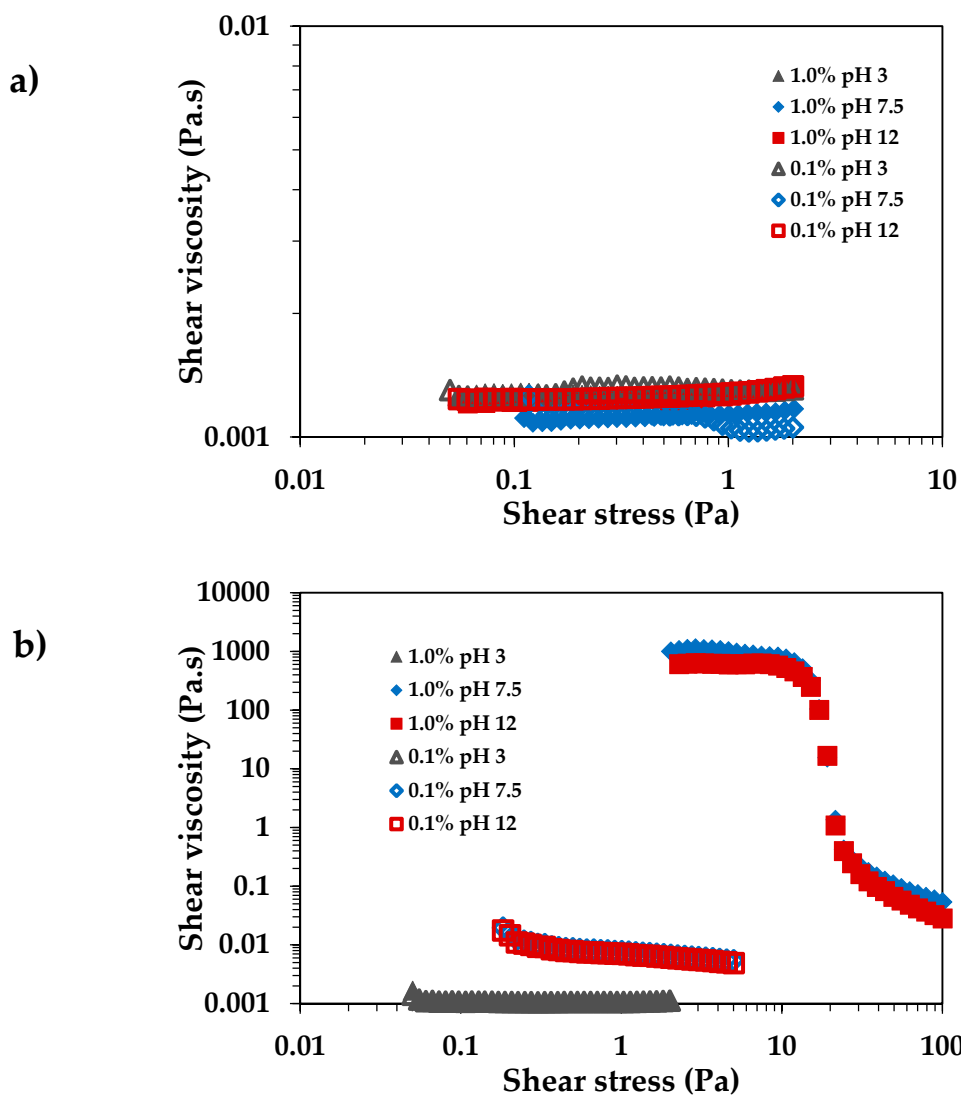


Figure S2. FTIR spectrum of the palygorskite.



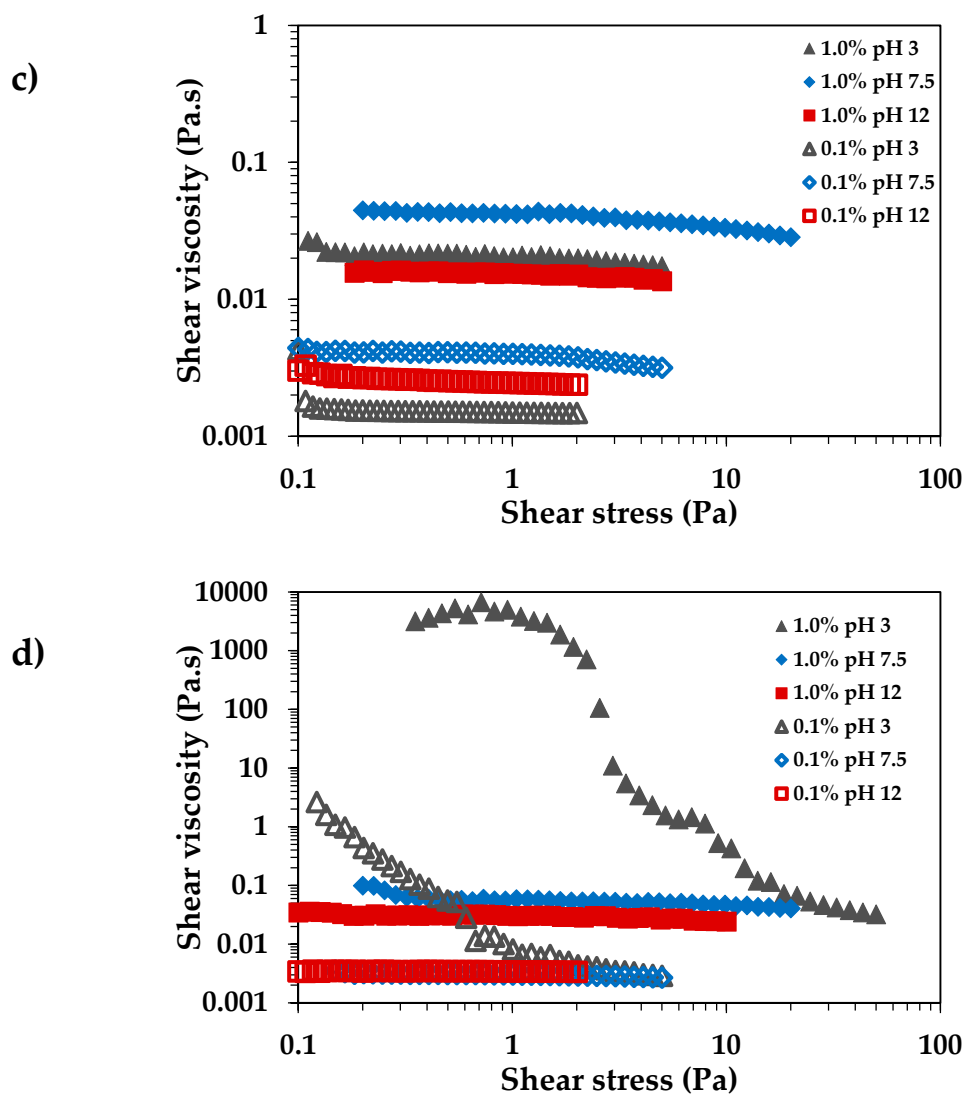
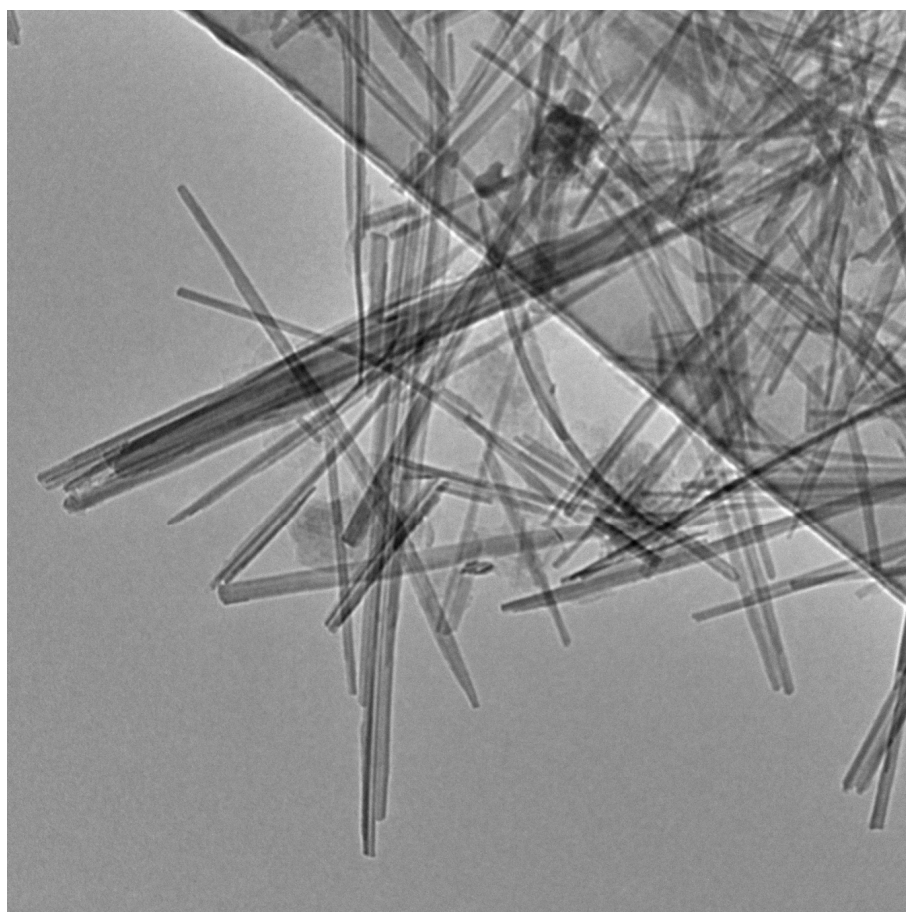


Figure S3. Flow curves of the four different dispersing agents at two different concentrations (1.0 wt % and 0.1 wt %), at 20°C. (a) Polyphosphate, (b) Polyacrylate, (c) CMC, (d) Alginate.



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Cal: 0.857633 nm/pix
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TEM Mode: Imaging

100 nm
HV=200.0kV
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Coimbra University

Figure S4. TEM image of 0.05 wt % palygorskite suspension prepared using the ultrasonic probe at pH ca. 8, with polyacrylate, taken 20 days after preparation of the suspension.