

Supplementary information for

Can Differently Stabilized Silver Nanoparticles Modify Calcium Phosphate Precipitation?

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Figure S1. FTIR spectra of phosphate band region and corresponding first- and second-order differentiated spectra of precipitates obtained after 10 minutes reaction time in the control system and in the presence of silver nanoparticles stabilized with citrate, poly(vinylpyrrolidone), and sodium bis(2-ethylhexyl) sulfosuccinate.

Figure S2. FTIR spectra of phosphate band region and corresponding first- and second-order differentiated spectra of precipitates obtained after 60 minutes reaction time in the control system and in the presence of silver nanoparticles stabilized with citrate, poly(vinylpyrrolidone), and sodium bis(2-ethylhexyl) sulfosuccinate.

Figure S3. TGA curves of the stabilizing agents used for synthesis of silver nanoparticles.

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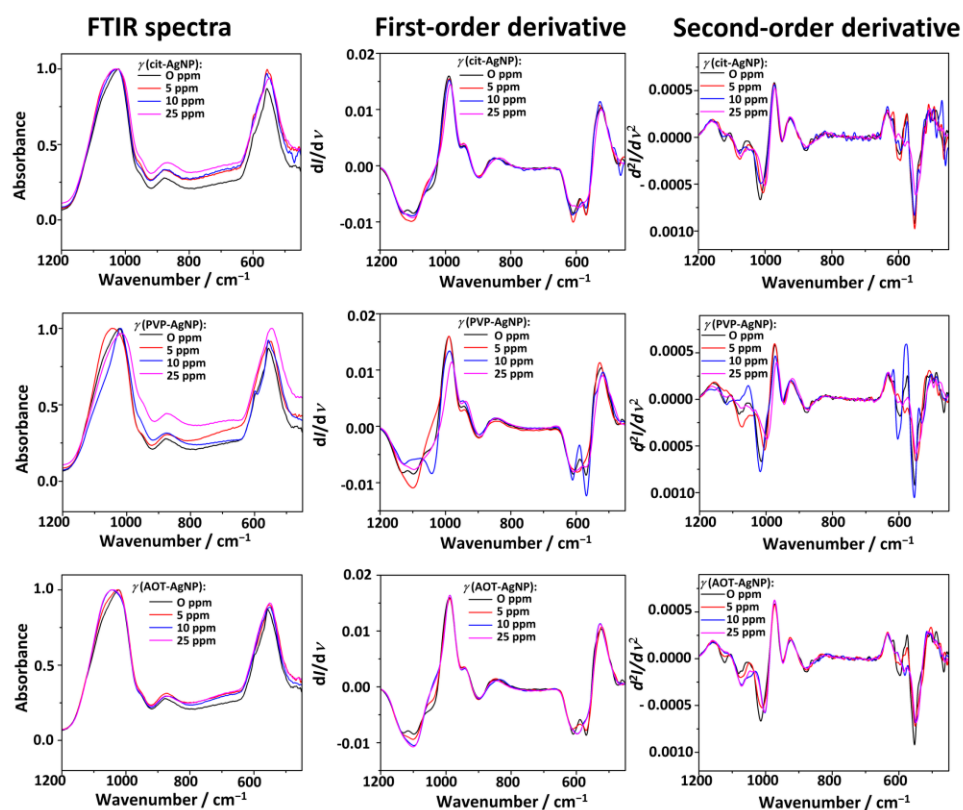


Figure S1. FTIR spectra of phosphate band region and corresponding first- and second-order differentiated spectra of precipitates obtained after 10 minutes reaction time in the control system and in the presence of different concentrations of silver nanoparticles (AgNPs) stabilized with citrate (cit-AgNPs), poly(vinylpyrrolidone) (PVP-AgNPs), and sodium bis(2-ethylhexyl) sulfosuccinate (AOT-AgNPs). $c(\text{CaCl}_2) = c(\text{Na}_2\text{HPO}_4) = 4 \cdot 10^{-3} \text{ mol dm}^{-3}$, pH 7.4, 25 °C.

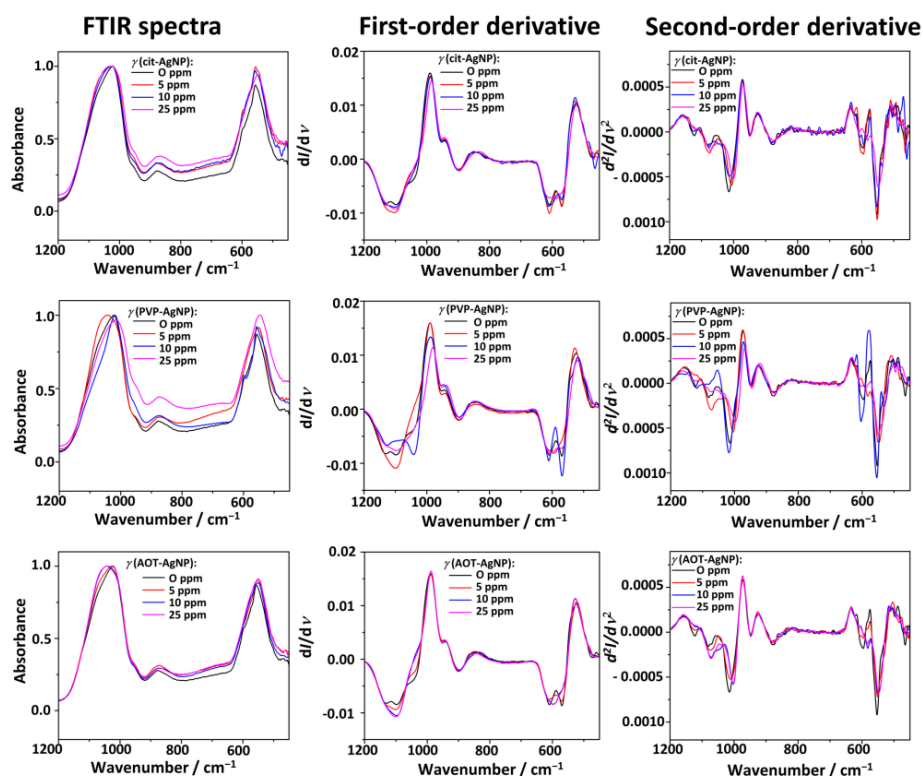


Figure S2. FTIR spectra of phosphate band region and corresponding first- and second-order differentiated spectra of precipitates obtained after 60 minutes reaction time in the control system and in the presence of different concentrations of silver nanoparticles (AgNPs) stabilized with citrate (cit-AgNPs), poly(vinylpyrrolidone) (PVP-AgNPs), and sodium bis(2-ethylhexyl) sulfosuccinate (AOT-AgNPs). $c(\text{CaCl}_2) = c(\text{Na}_2\text{HPO}_4) = 4 \cdot 10^{-3} \text{ mol dm}^{-3}$, pH 7.4, 25 °C.

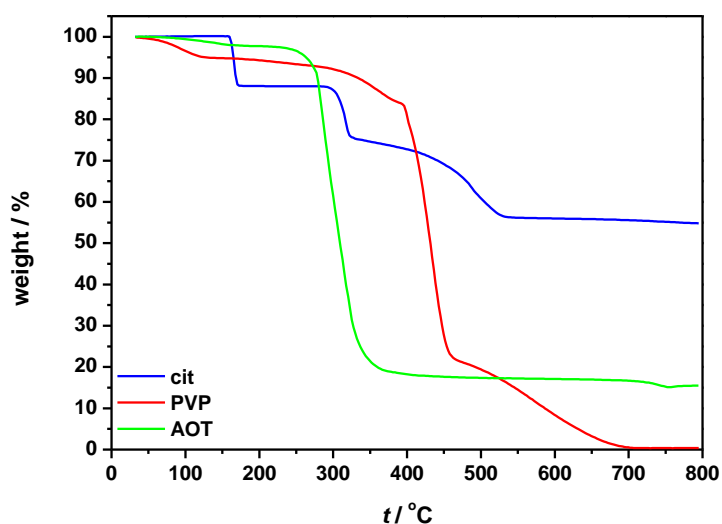


Figure S3. TGA curves of the stabilizing agents used for synthesis of silver nanoparticles: citrate (cit), poly(vinylpyrrolidone) (PVP), and sodium bis(2-ethylhexyl) sulfosuccinate (AOT).