

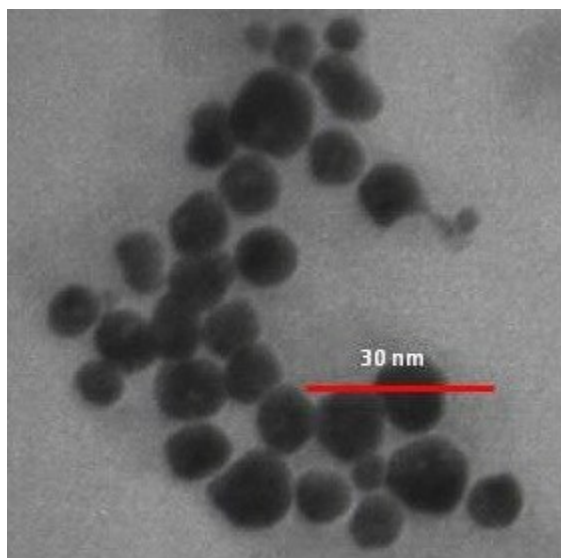
## Water discrimination based on the kinetic variations of AgNP spectrum

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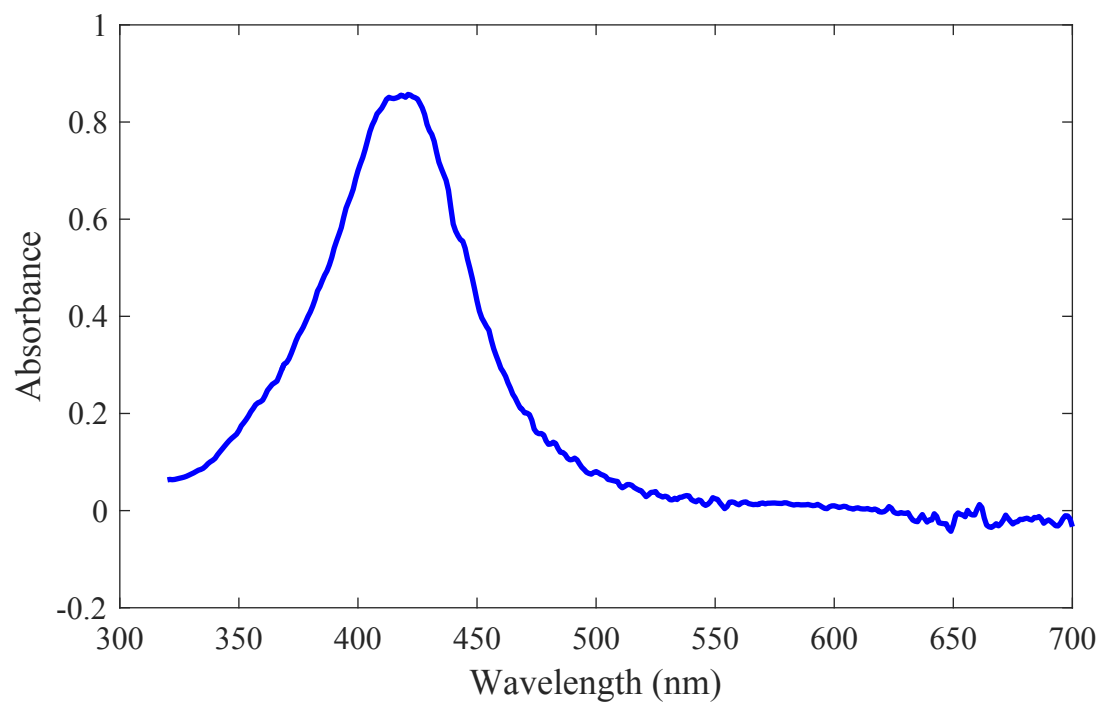
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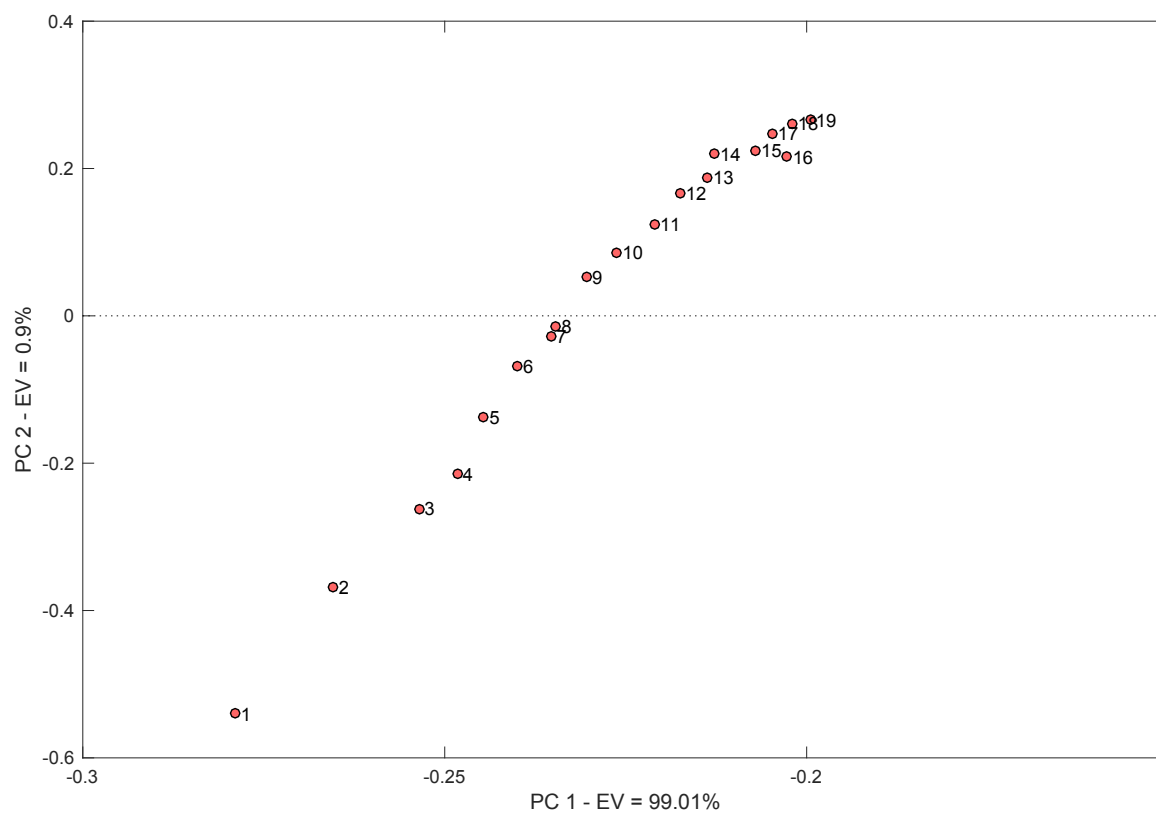
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**Fig. S1.** TEM image of the synthesized AgNP.



**Fig. S2.** Visible spectrum of the synthesized AgNP.



**Fig. S3.** Loadings obtained by application of PCA on the kinetic spectrophotometric data at 420 nm.