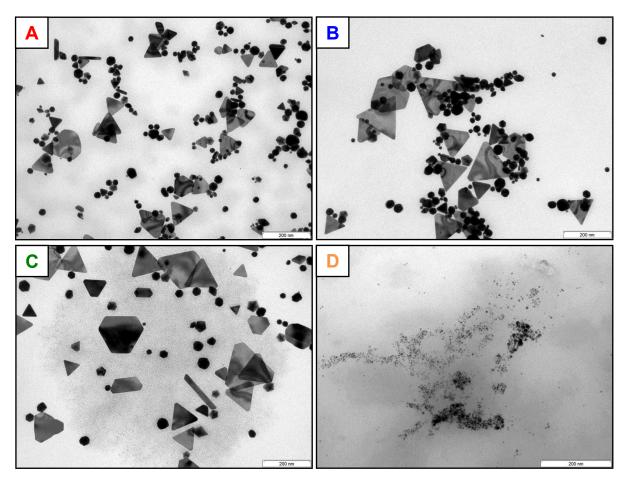
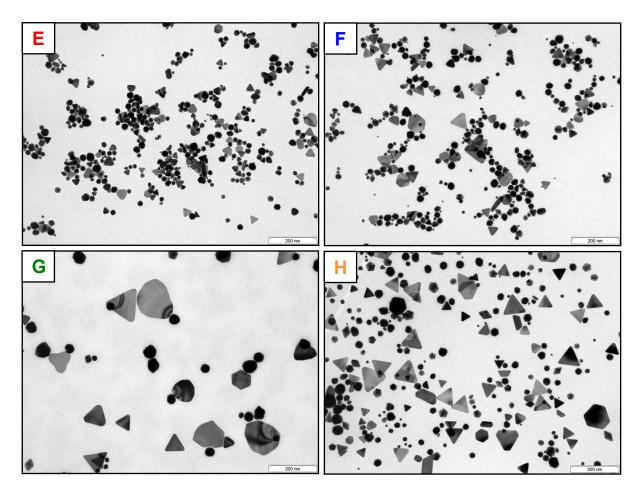
## **SUPPLEMENTARY PART**

## **FIGURES**



**Fig. S1** TEM micrographs of the gold nanoparticles formed in the template phase in presence of PalPhBisCarb (A), PAA (B), AlgA (C) and PDADMAC (D)



**Fig. S2** TEM micrographs of the gold nanoparticles formed in the template phase in presence of L-ascorbic acid (E), sodium citrate (F), L-lactic acid (G) and lemon grass oil (H)

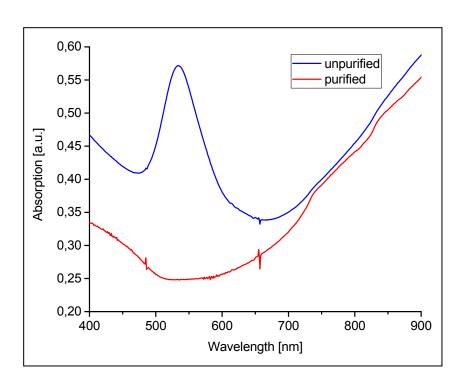


Fig. S3 UV-vis absorption spectra before separation and after three purification steps