Supplementary Materials

Sunlight-induced Photocatalytic Removal of Paracetamol using Au-TiO_2 nanoparticles

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Figure S1. - Geographic location of the experimental site in northern Algeria (latitude 36.39° N, longitude 2.42° E).

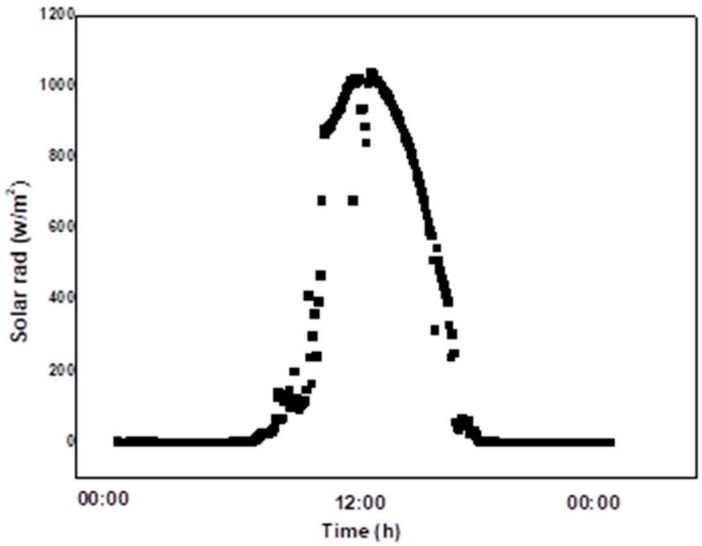

Figure S2. Temporal variation of solar intensity throughout the experimental day.

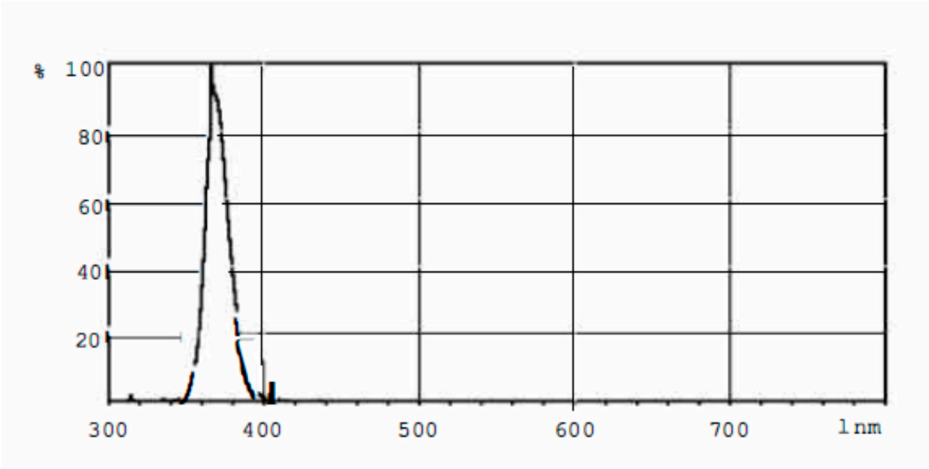

Figure S3. UV lamp spectra provided by the manufacturer.

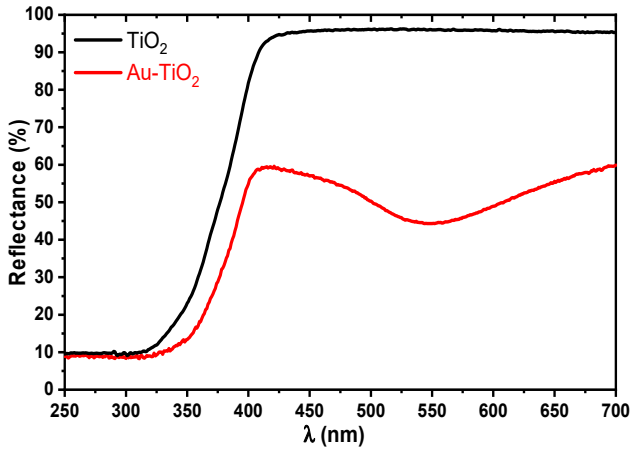

Figure S4. UV–vis reflectance spectra of pristine TiO_2 and Au/TiO_2 measured between 250 and 700 nm.

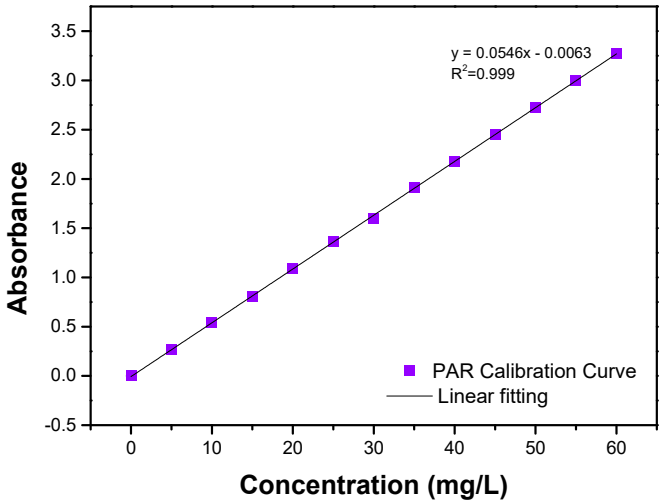

Figure S5. Calibration curve of Paracetamol.

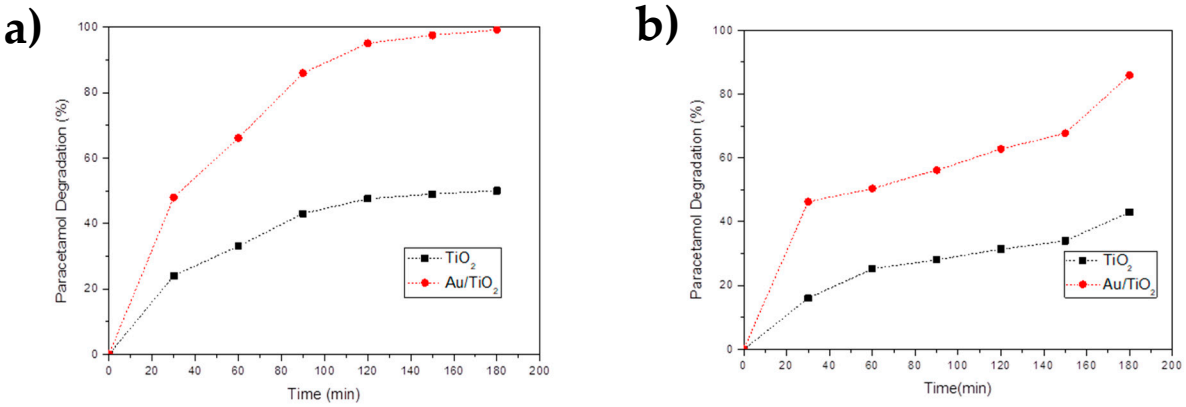

Figure S6. TiO_2 and $Au\text{-}TiO_2$ photocatalytic activities of photodegradation of paracetamol under **a)** sunlight irradiation and **b)** UV lamp irradiation (C_{PAR} = 20 mg/L, $C_{catalyst}$ = 1 g/L and free pH 6.8, for 180 minutes).