

Figure S1 – (A) Changing of concentration of MO ($C_{MO}=5$ ppm, $pH=6.7$)

- (1) UV irradiation, without β composite
- (2) Adsorption of MO in the presence of 26.1PE/TiO₂
- (3) UV irradiation, in the present of 26.1PE/TiO₂
- ((A) – UV radiation)

(B) degradation of MO: difference between curve (3) and curve (2)

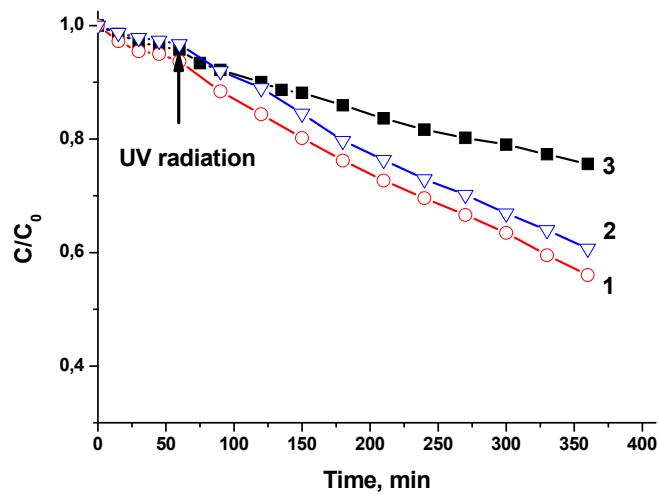


Figure S2 – Effect of concentration of MO on the discoloration of MO dye in the presence 26.1PE/TiO₂: concentration of MO (1) 1.7 ppm, (2) 5 ppm, (3) 15 ppm

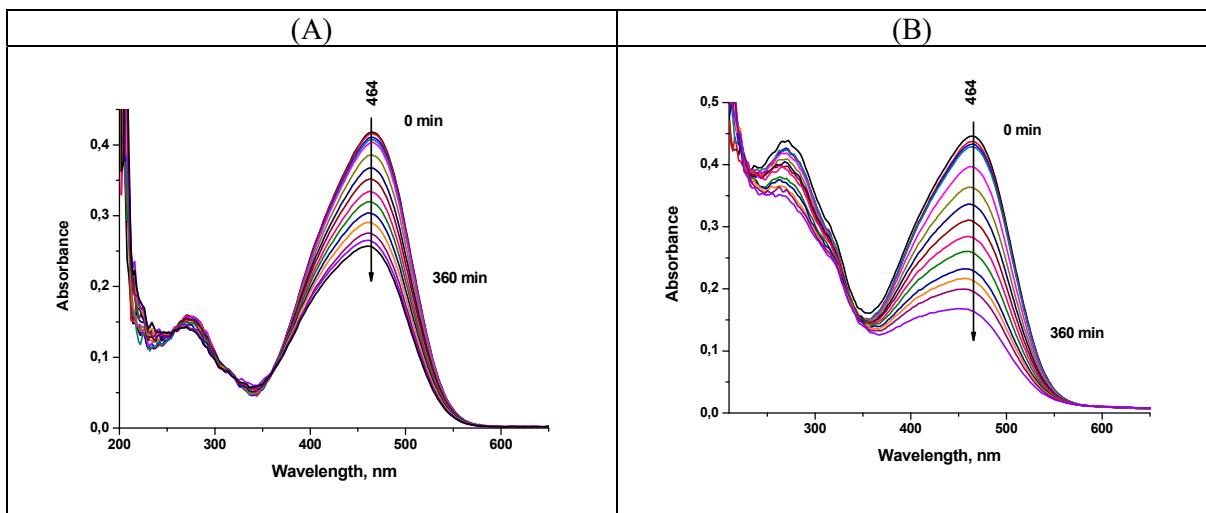


Figure S3 – UV-vis spectra of MO during adsorption and the discoloration in the presence
26.1ΠΞ/TiO₂: (A) 1 cycle, (B) 3 cycle