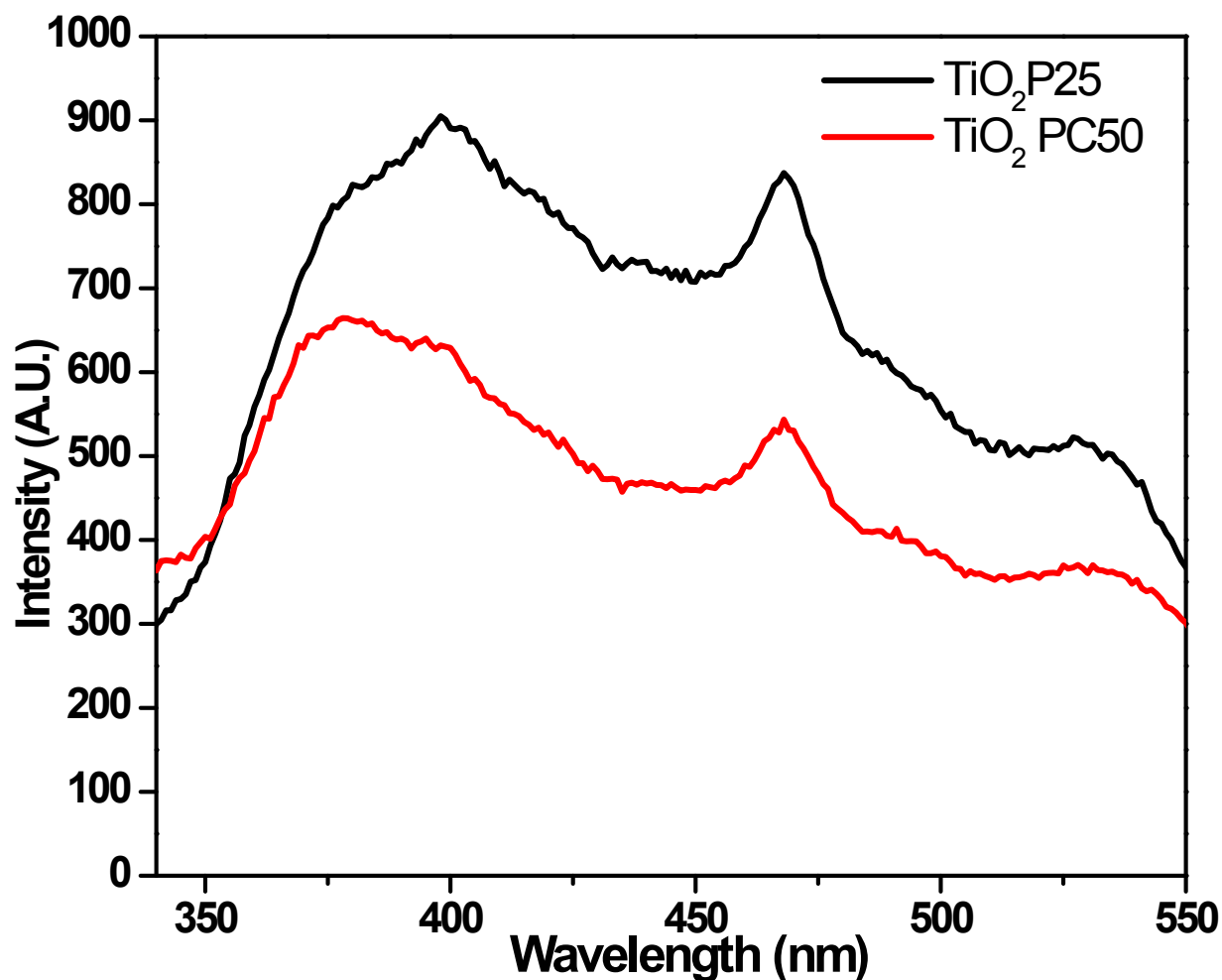
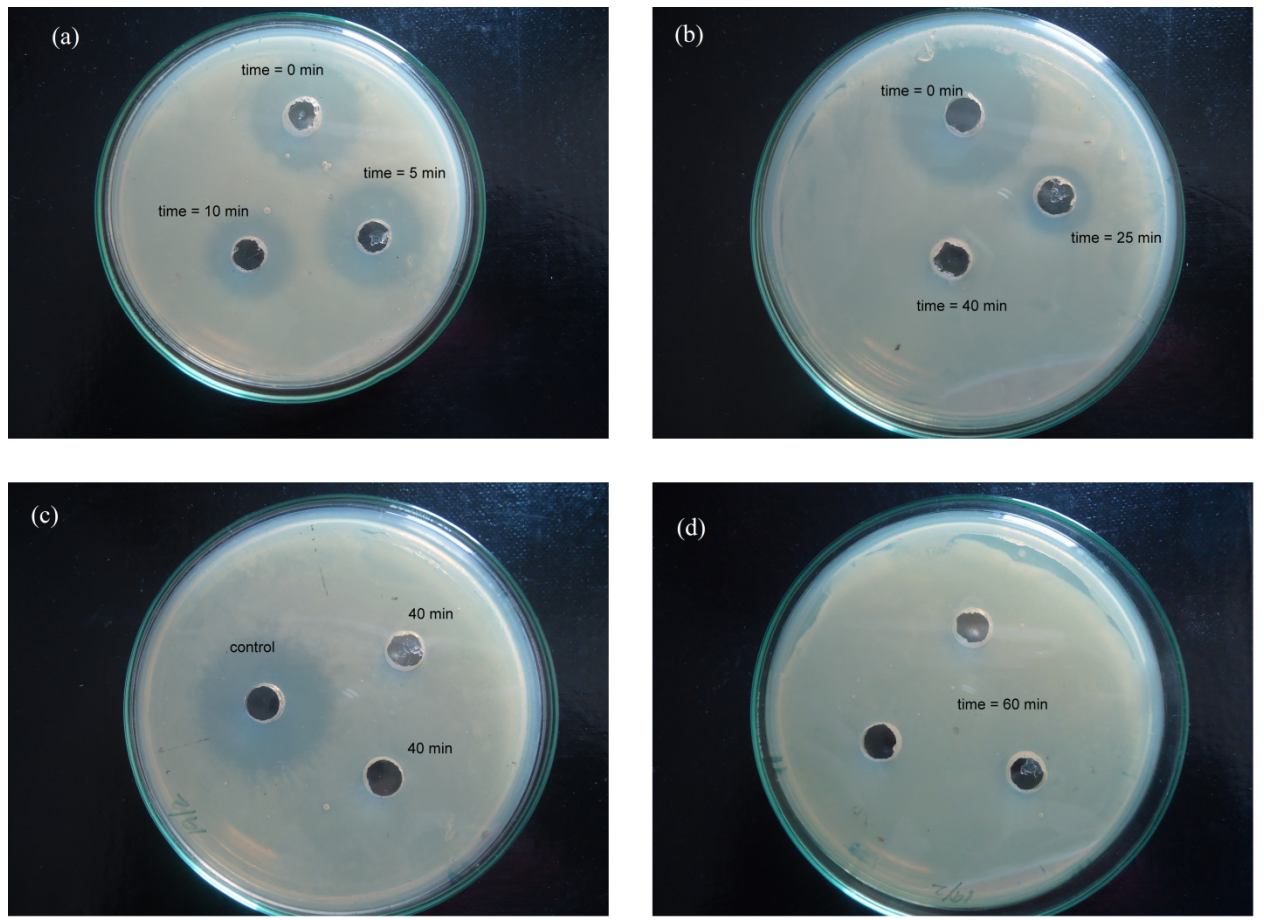


**Supporting information**



**Figure S1:** Room temperature photoluminescence spectra of TiO<sub>2</sub> PC

50 and TiO<sub>2</sub> P25 at an excitation wavelength of 290 nm.



**Figure S2:** (a)-(d) *E. coli* inhibition zone around the micro drops (25  $\mu$ L) sample of treated water on the agar plate