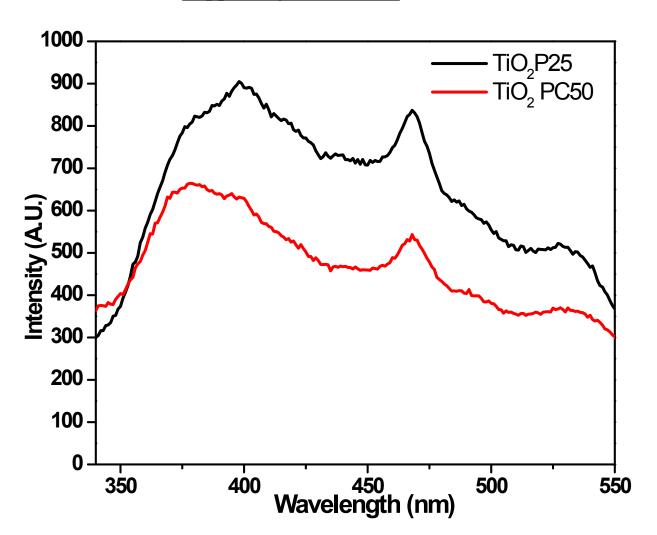
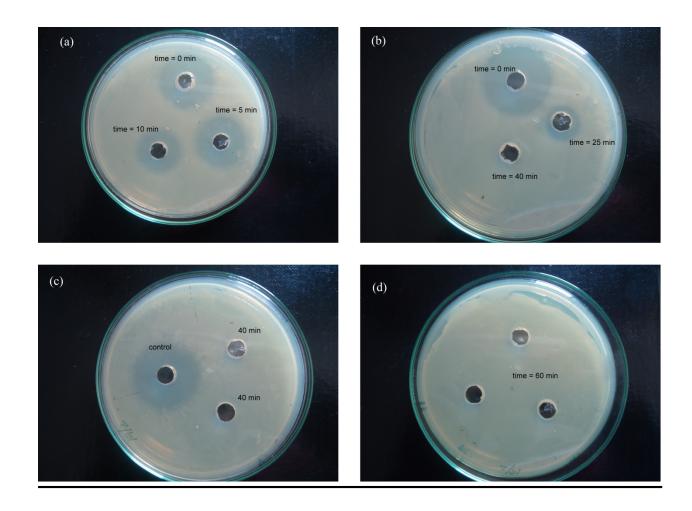
Electronic Supplementary Material (ESI) for New Journal of Chemistry.

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## **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 μL) sample of treated water on the agar plate