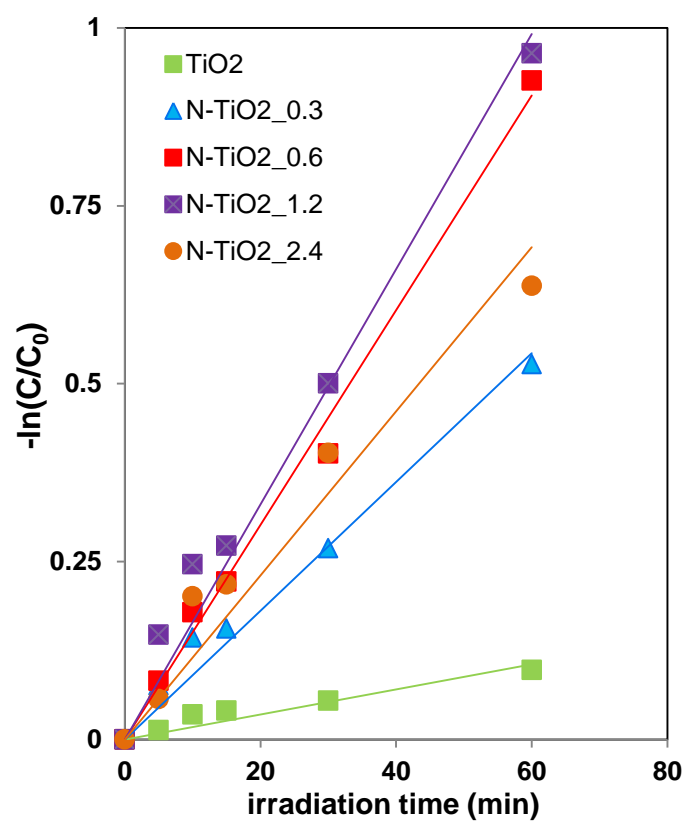
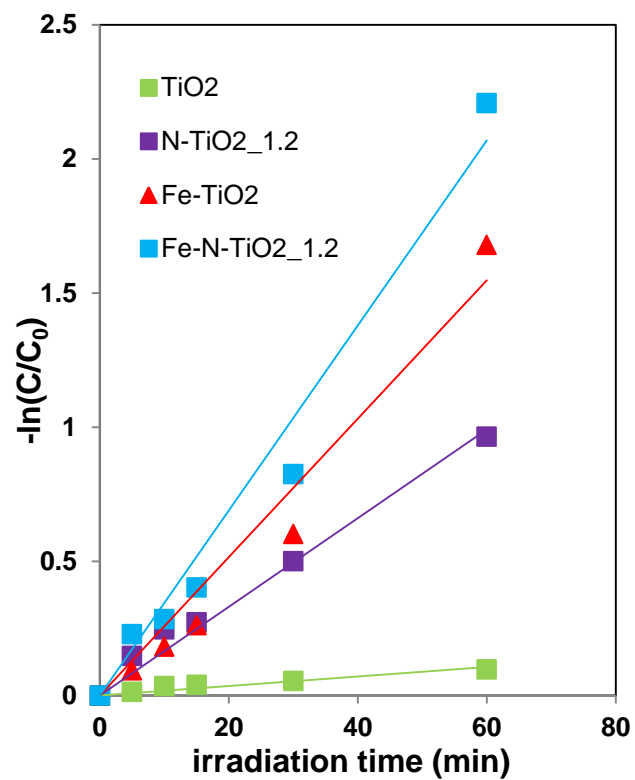


**Figure S1:** FESEM images of TiO<sub>2</sub>, N-TiO<sub>2\_1.2</sub>, Fe-TiO<sub>2</sub> and Fe-N-TiO<sub>2\_1.2</sub> photocatalysts.



**Figure S2:**  $-\ln(C/C_0)$  vs irradiation time for AO7 discoloration using TiO<sub>2</sub>, N-TiO<sub>2</sub>\_0.3, N-TiO<sub>2</sub>\_0.6, N-TiO<sub>2</sub>\_1.2 and N-TiO<sub>2</sub>\_2.4 samples.



**Figure S3:**  $-\ln(C/C_0)$  vs irradiation time for AO7 discoloration for TiO<sub>2</sub>, N-TiO<sub>2</sub>\_1.2, Fe-TiO<sub>2</sub> and Fe-N-TiO<sub>2</sub>\_1.2 samples