

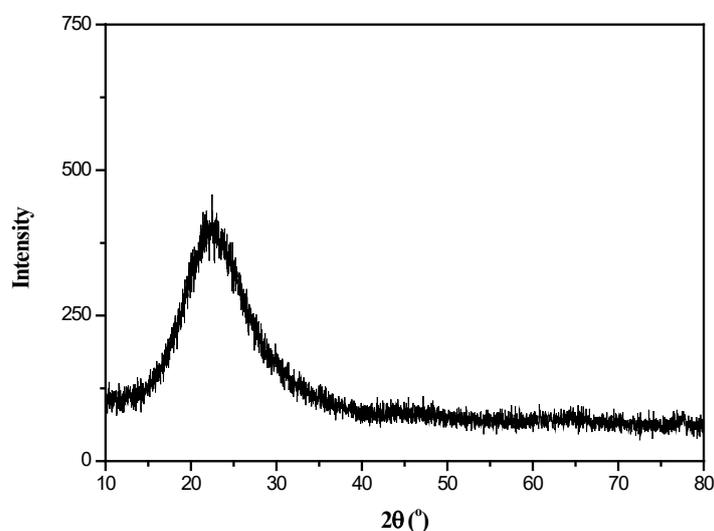
## Supplementary Material

# Synthesis and evaluation of the photocatalytic activity of nanostructured composites based on SiO<sub>2</sub> recovered by TiO<sub>2</sub>

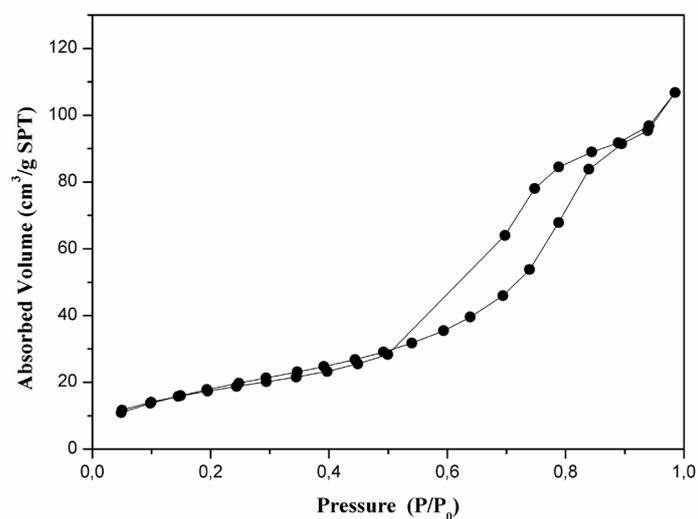
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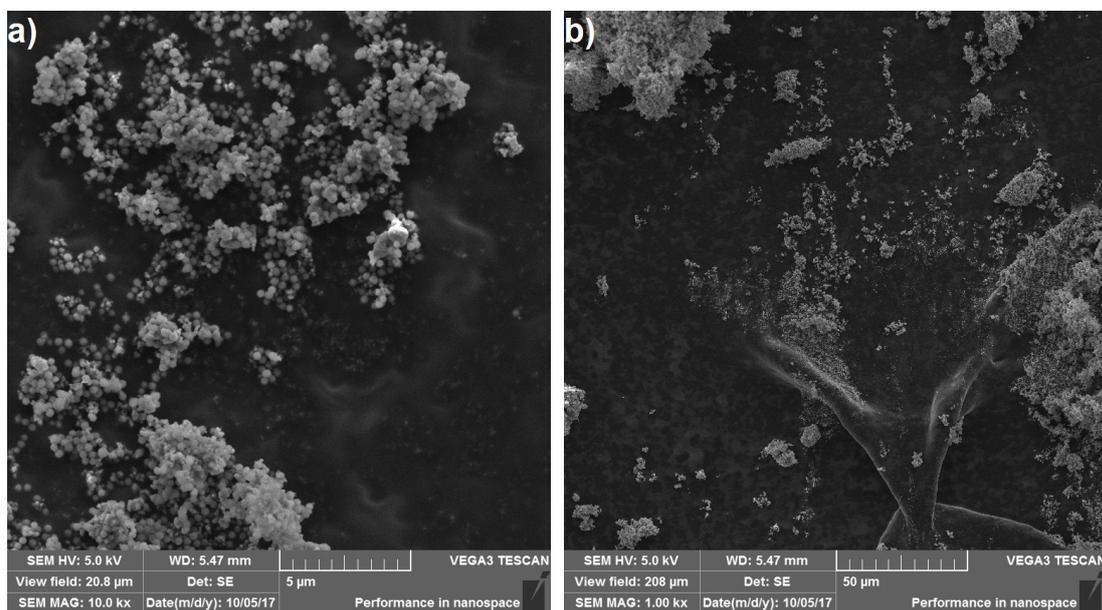
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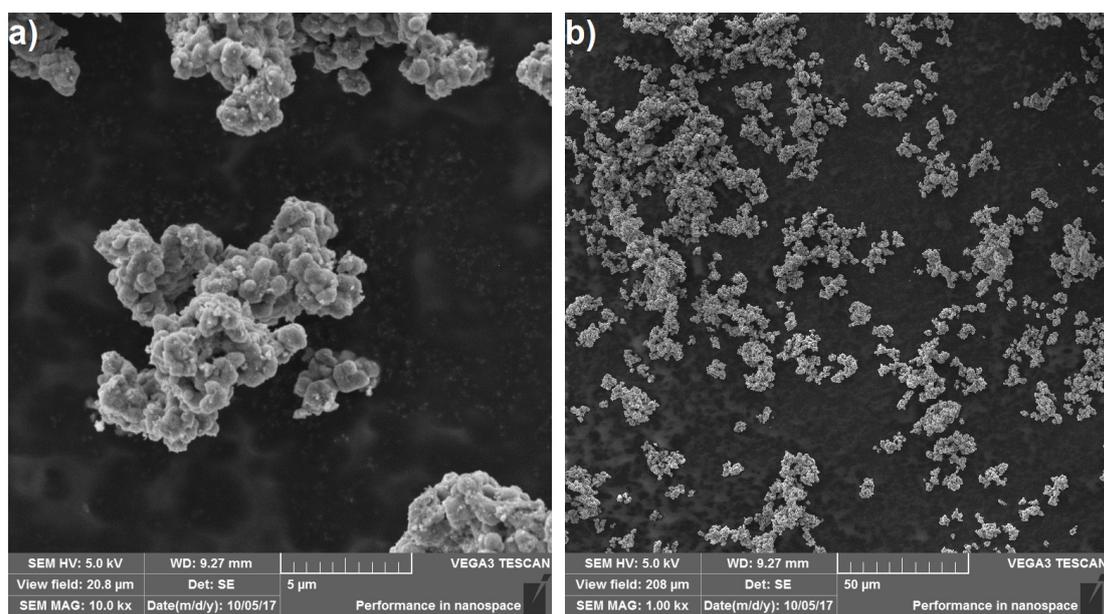
**Figure S1.** Diffratogram of sílica (SiO<sub>2</sub>) used in the production of the TiO<sub>2</sub>/SiO<sub>2</sub> composites.



**Figure S2.** Adsorption/desorption isotherms of nitrogen to the  $\text{TiO}_2/\text{SiO}_2$  composites.



**Figure S3.** Photomicrographs of  $\text{SiO}_2$  in magnifications at (a) 10.000 and (b) 1.000



**Figura S4.** Photomicrographs of the  $\text{TiO}_2/\text{SiO}_2$  composites in magnifications at (a) 10.000 and (b) 1.000