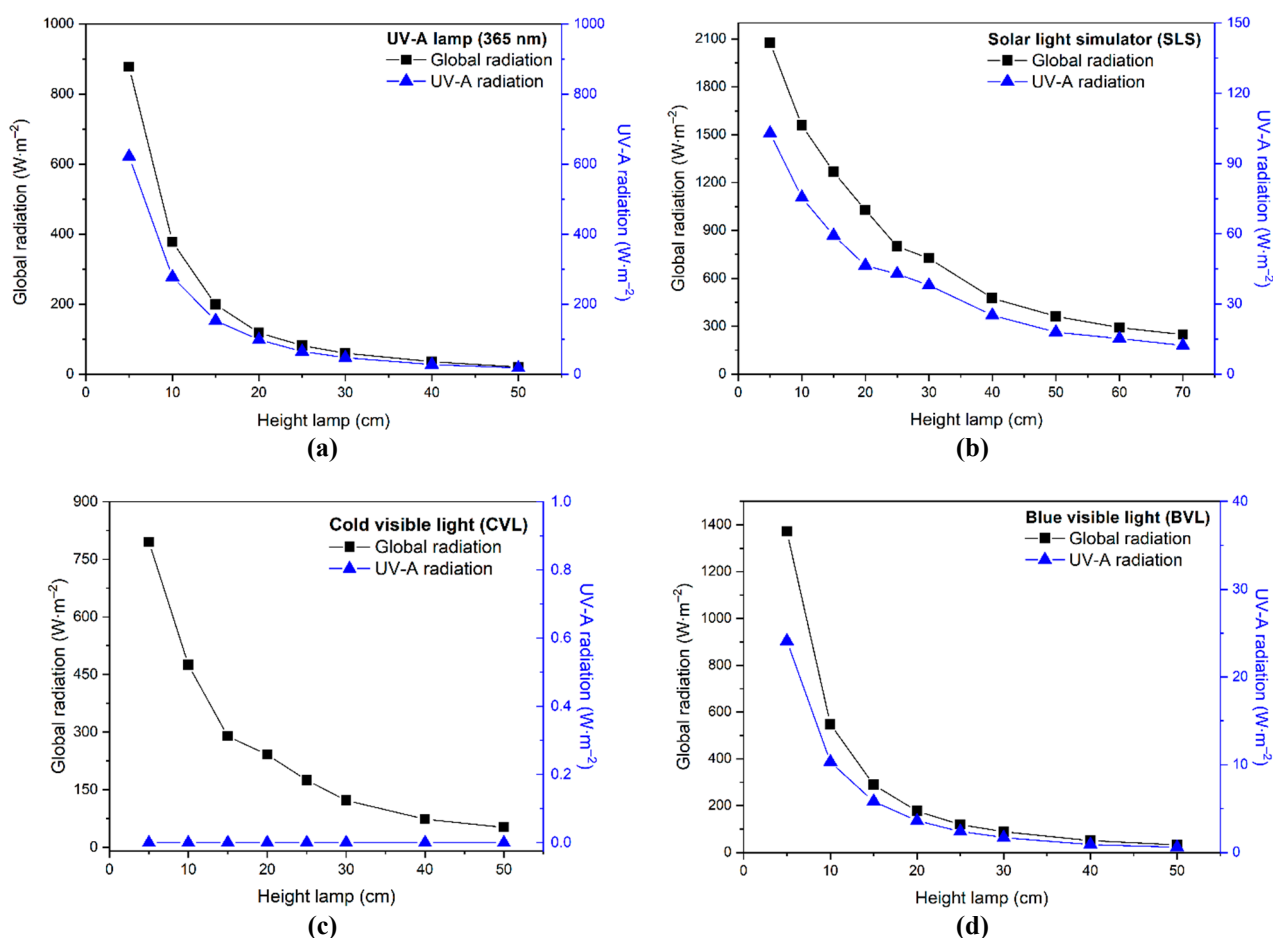
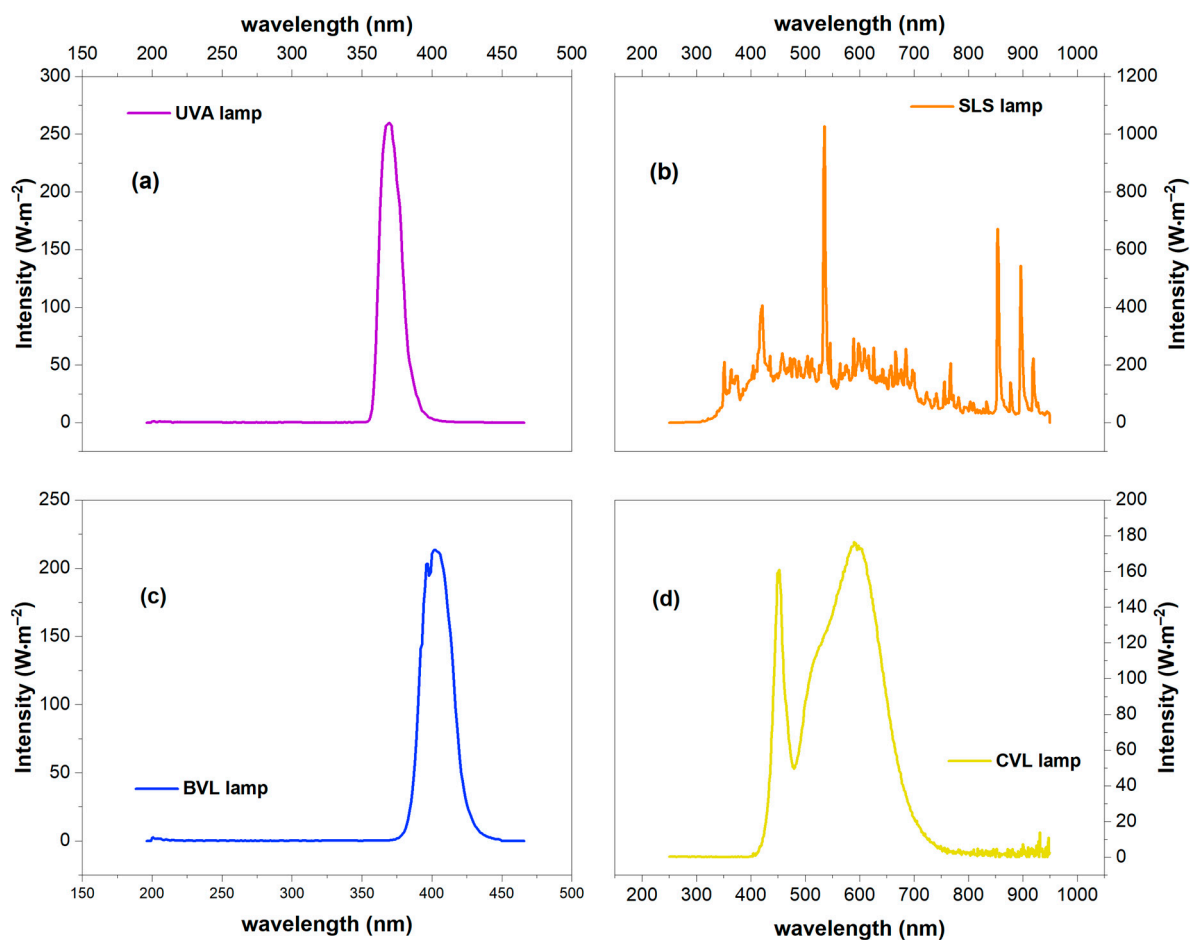


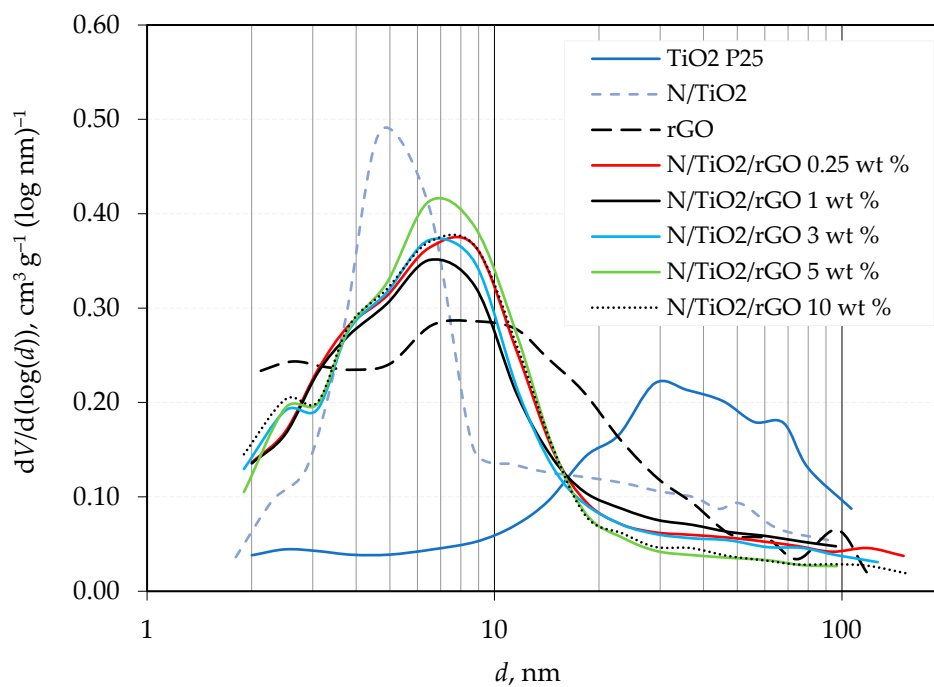
**Figure S1.** Inner pressure, temperature, and power supplied by the Microwave oven during the synthesis of nanocomposite N/TiO<sub>2</sub>/rGO with 0.25 wt. % of rGO.



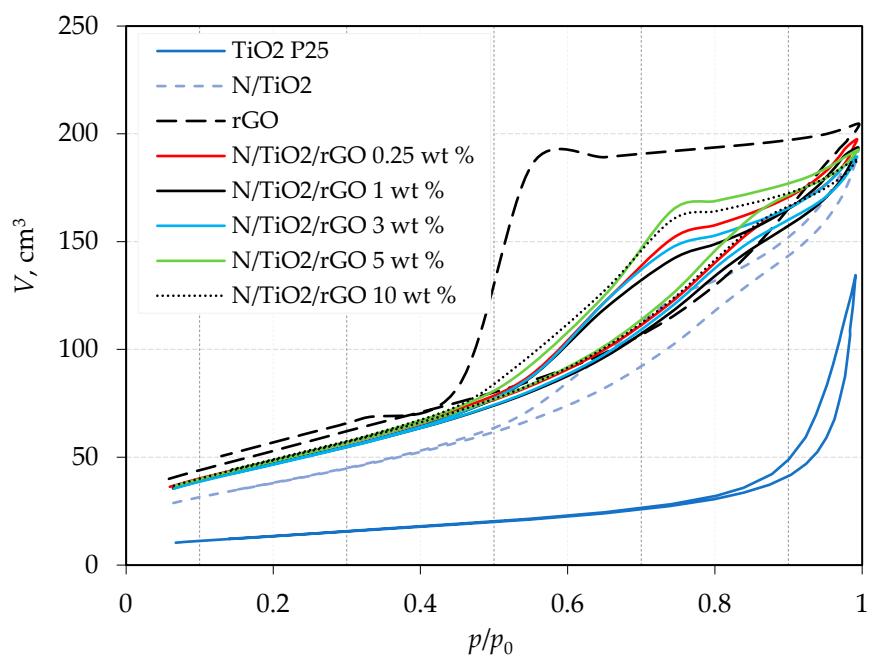
**Figure S2.** Global and UV-A radiation measurement of (a) UV-A lamp, (b) solar light simulator (SLS) lamp, (c) cold visible light (CVL) lamp, and (d) blue visible light (BVL) lamp.



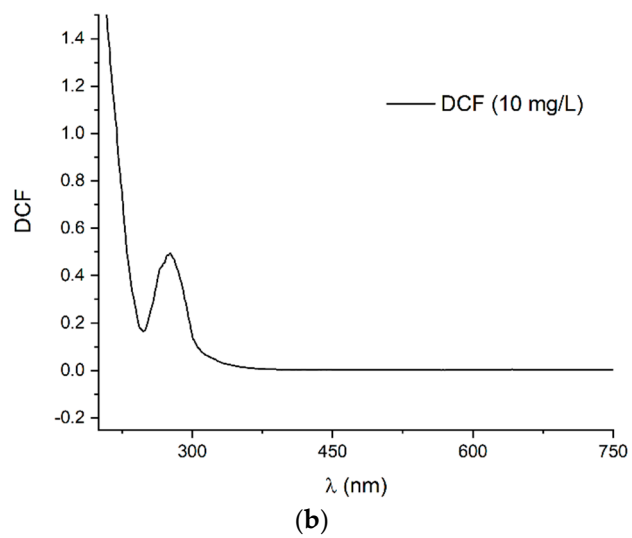
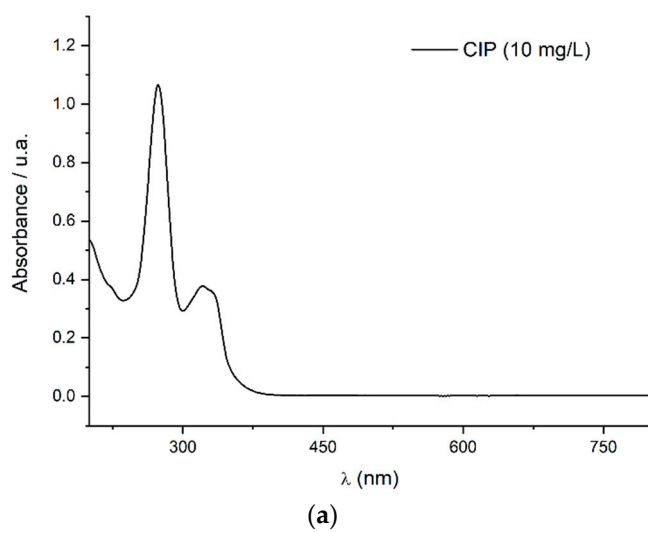
**Figure S3.** Radiation spectra of the different lamps at 20 cm height: (a) UVA light (UVA), (b) Solar light simulator (SLS), (c) Blue visible light (BVL), and (d) Cold visible light (CVL).

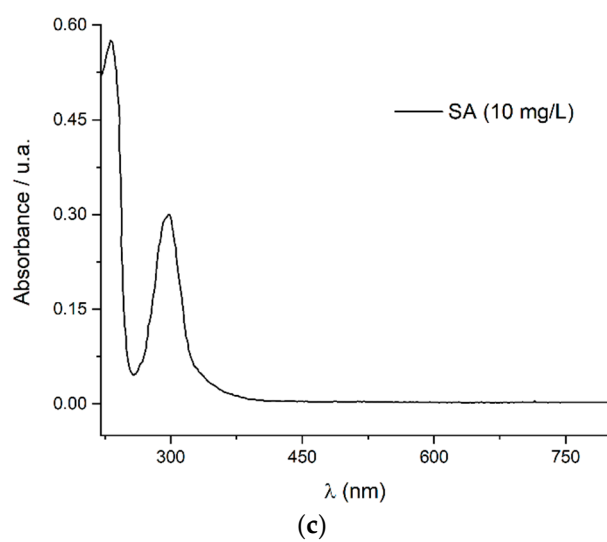


**Figure S4.** Pore size distribution of N/TiO<sub>2</sub>, N/TiO<sub>2</sub>/rGO with different amounts of rGO (0.25, 1, 3, 5, and 10 wt. %), and P25 photocatalysts.



**Figure S5.** Nitrogen adsorption-desorption isotherms of N/TiO<sub>2</sub>, N/TiO<sub>2</sub>/rGO with different amounts of rGO (0.25, 1, 3, 5, and 10 wt. %), and P25 photocatalysts.





**Figure S6.** UV/Vis absorbance spectra of the initial concentration of (a) ciprofloxacin (CIP), (b) diclofenac (DCF), and (c) salicylic acid (SA).