Electronic Supplementary Information

Towards green visible range active photocatalytic Au/TiO_2 nanocomposites through rutin-based synthesis and their application in the degradation of ciprofloxacin

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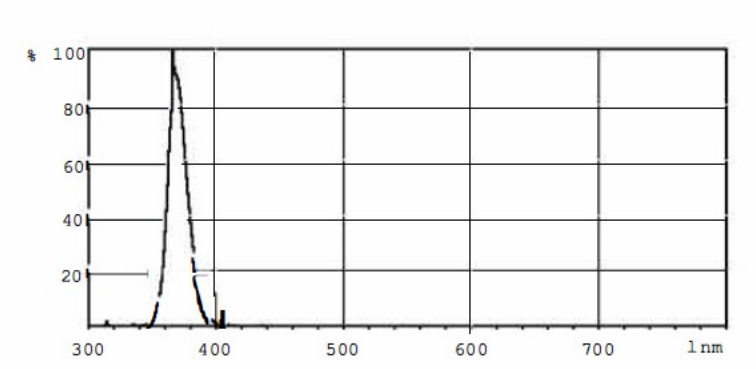

Figure 1. UV lamp spectra provided by the manufacturer.

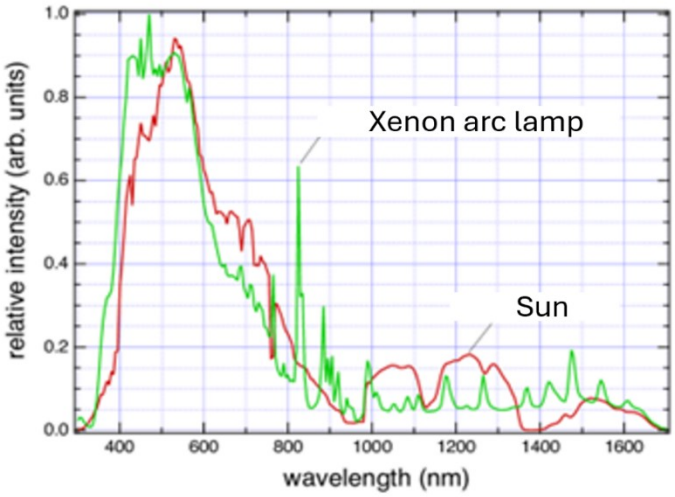

Figure 2. Xenon Lamp arc (with UV filter) and sunlight spectra.

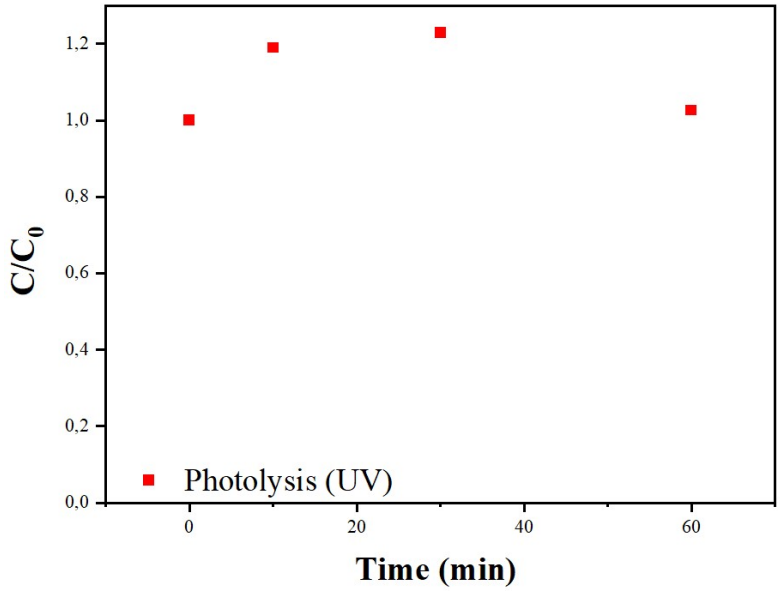

Figure 3 - Photolysis of CIP (5 mg/L) for 60 minutes under UV radiation.

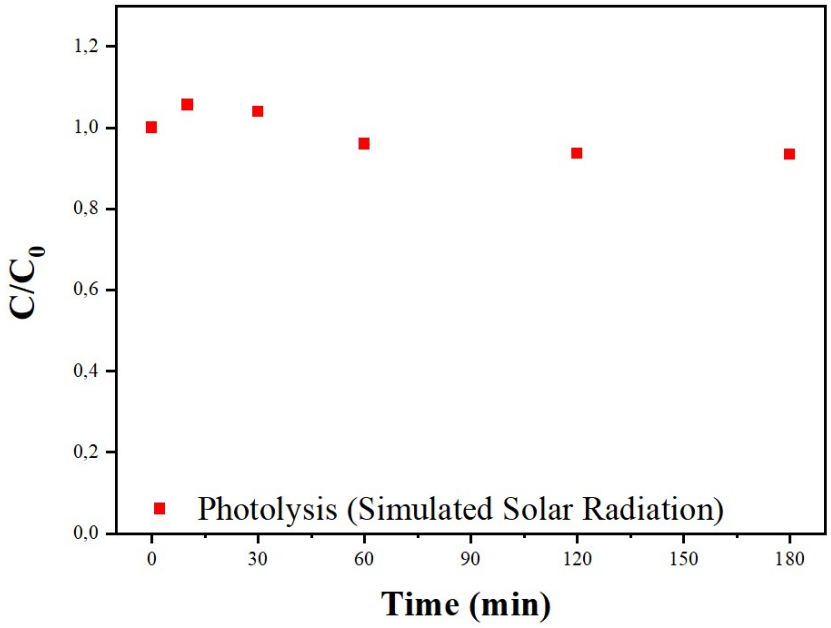

Figure 4 - Photolysis of CIP (5mg/L) for 180 minutes under simulated solar radiation.

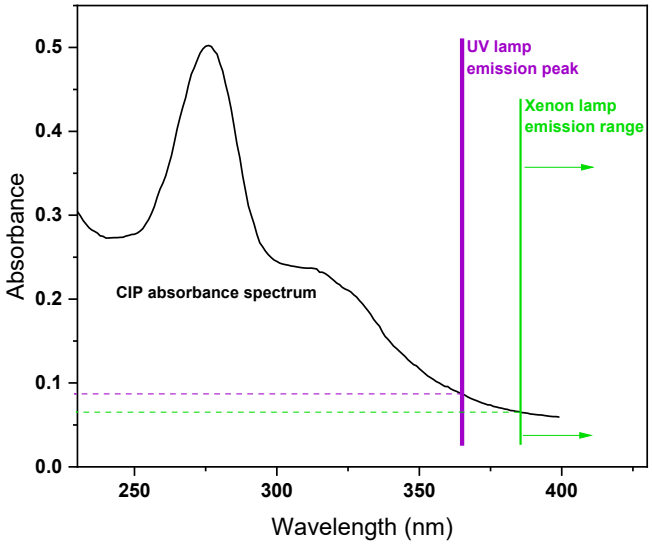

Figure 5. Representation of the ciprofloxacin spectra (230 to 400 nm) with the maximum absorbance peaks (~277nm), UV lamp emission peak, and Xenon lamp arc range.