

## Supplementary Materials

for

# Assessing the Degradation of Levofloxacin in Aqueous Media by Metal-Free g-C<sub>3</sub>N<sub>4</sub> Photocatalyst Under Simulated Solar Light Irradiation

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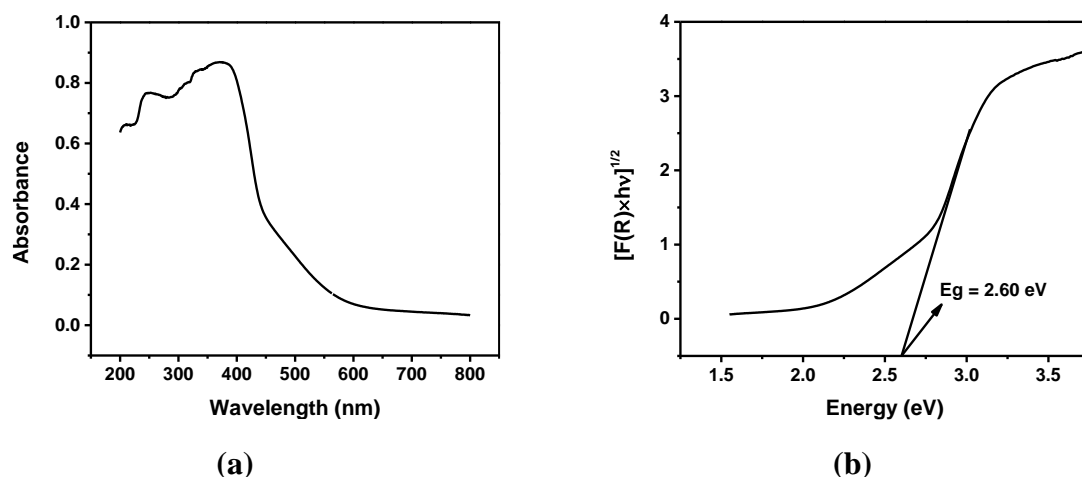
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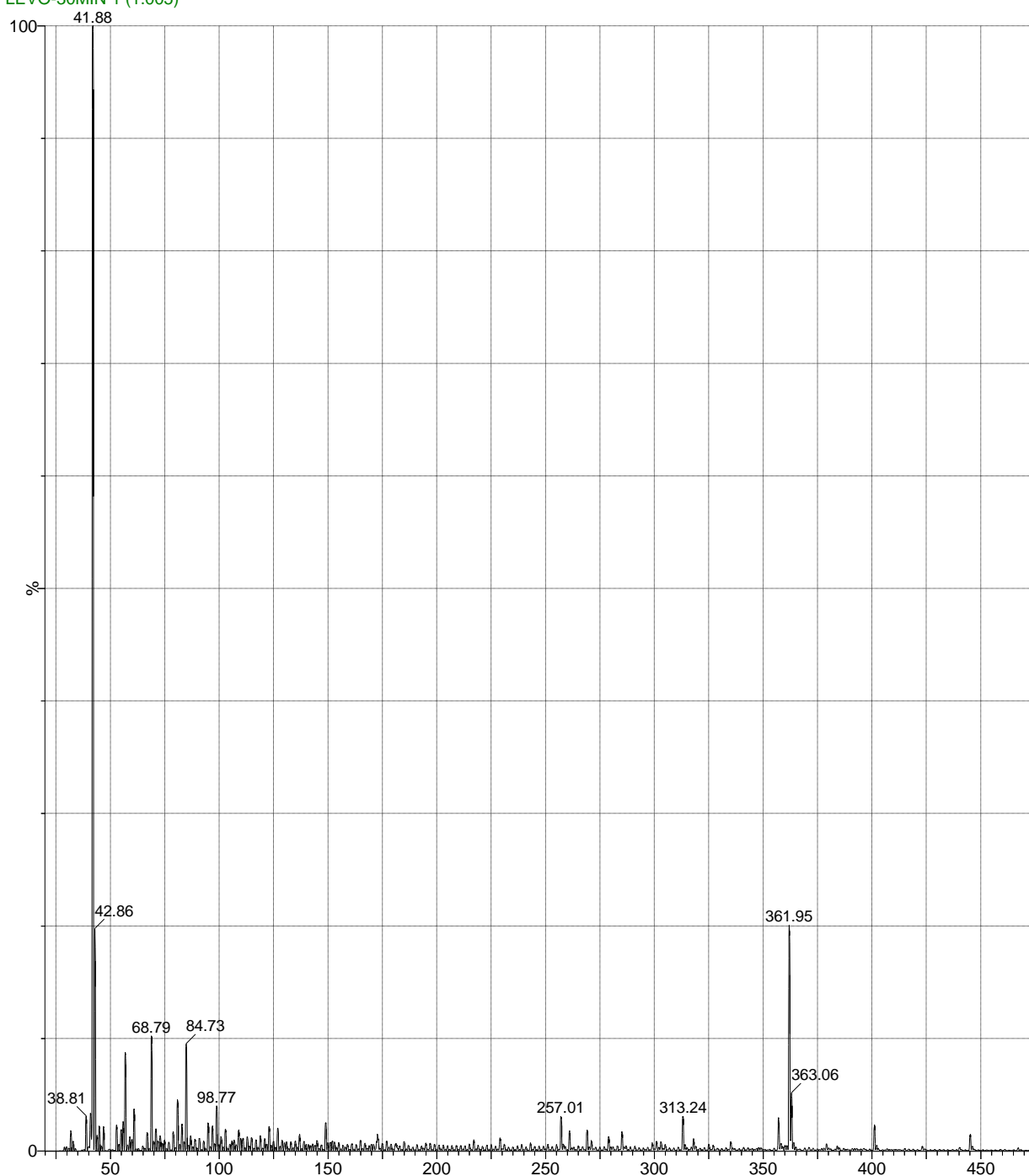
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**Figure S1.** (a) DR/UV-Vis spectra; (b) energy bandgap determination by the Tauc plots

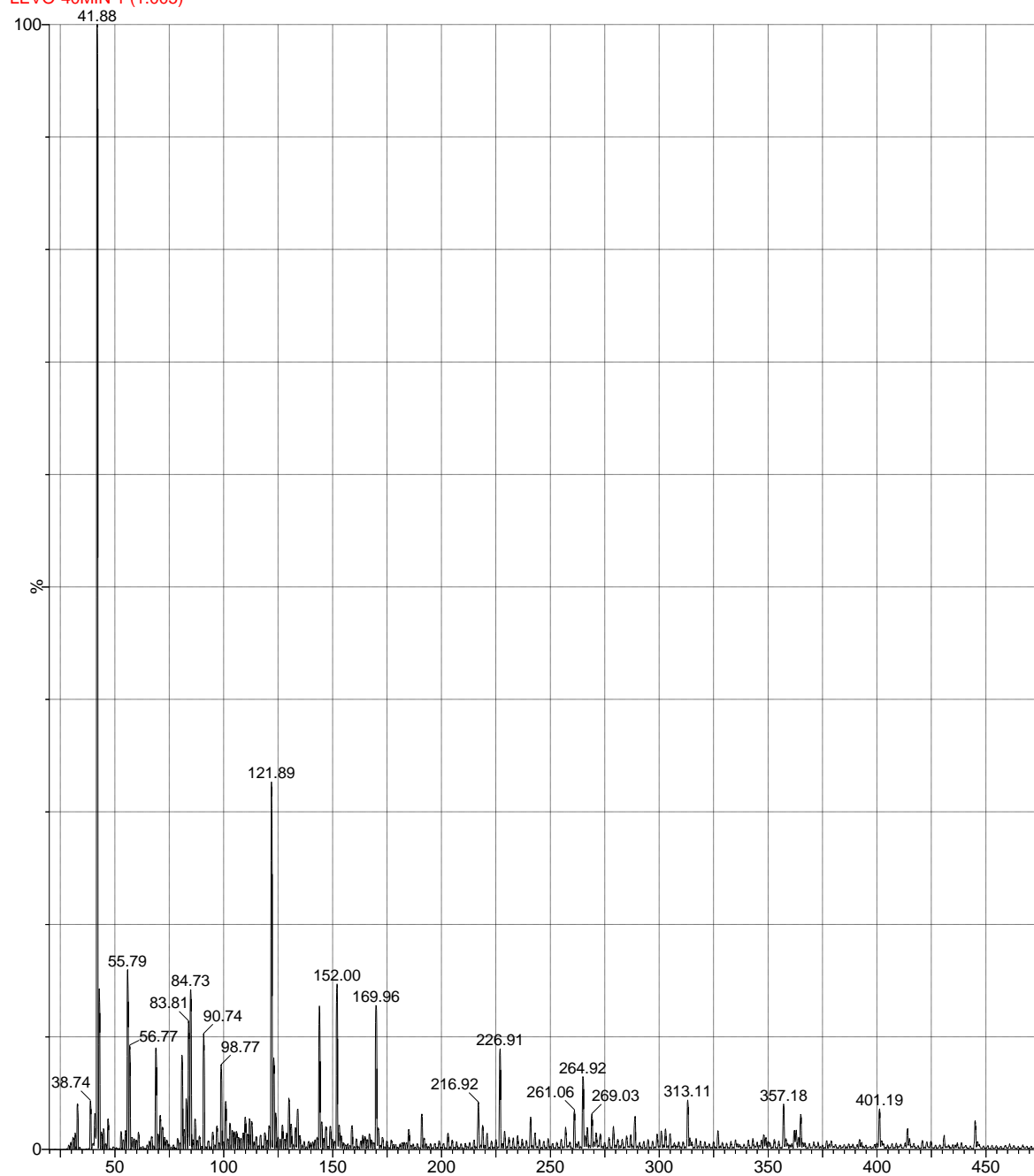
**a**

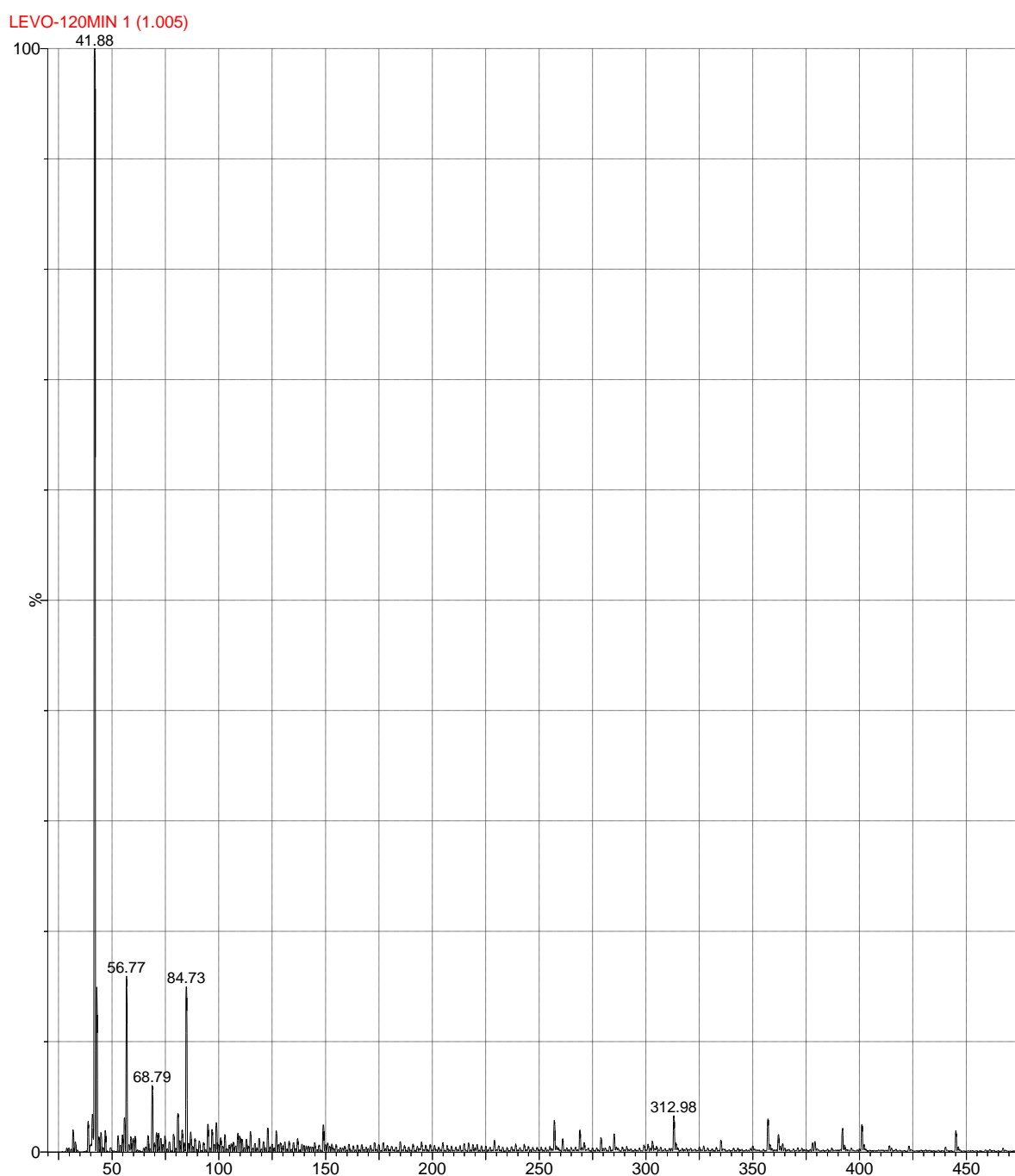
LEVO-30MIN 1 (1.005)



**b**

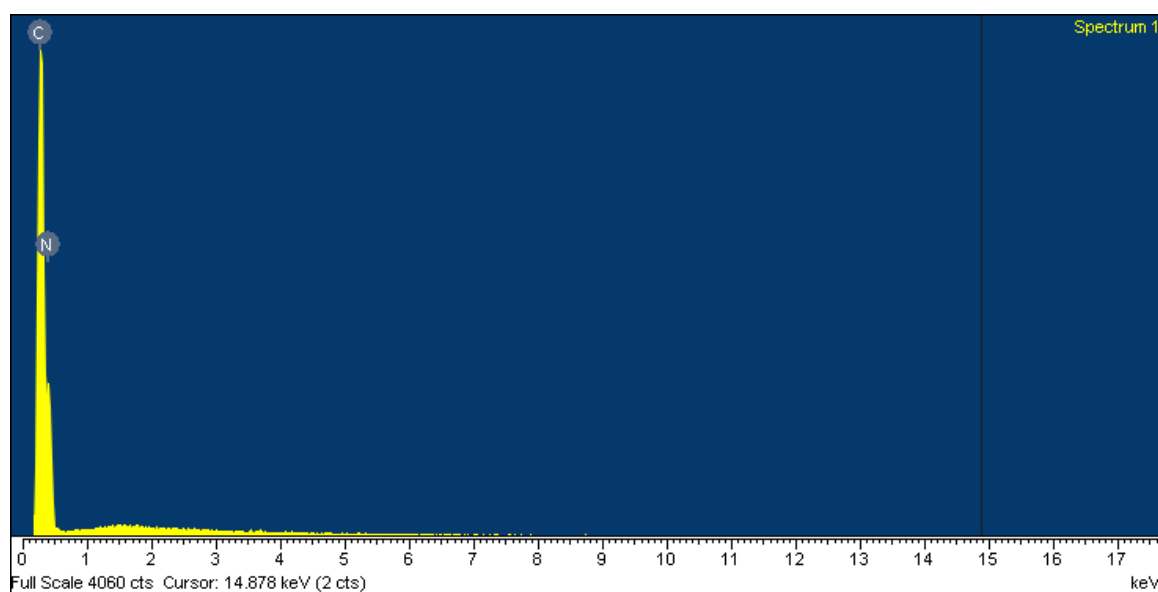
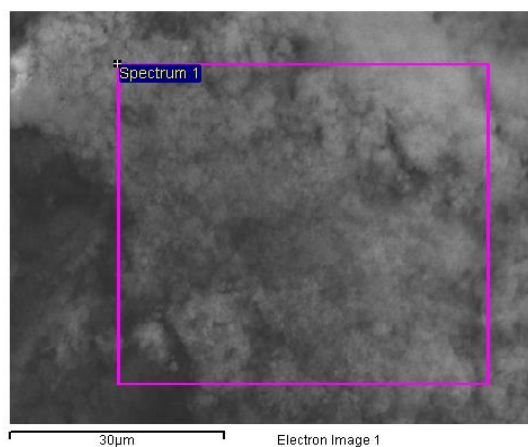
LEVO-40MIN 1 (1.005)



**c**

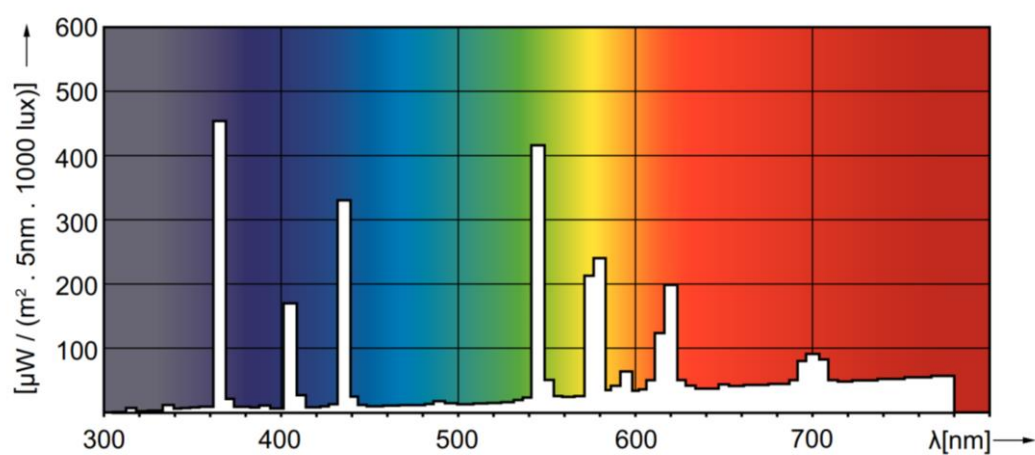
**Figure S2.** Mass spectra of levofloxacin in the photodegradation experimental: (a) light-off for 30 minutes, (b) light-on for 40 minutes and (c) light-on for 120 minutes

Element	Weight%	Atomic%
C K	35.05	38.62
N K	64.95	61.38
Totals	100.00	



**Figure S3.** EDS measurement of the prepared g-C<sub>3</sub>N<sub>4</sub>.

### Photometric data



Spectral Power Distribution Colour - ML 500W E40 225-235V HG 1SL/6

**Figure S4.** Profile of the 500-W Hg-lamp (Philips Lighting product data).