Electronic Supplementary Material (ESI) for New Journal of Chemistry.

Supplementary details

All-in-one nanomaterial derived from rGO-MoS_2 with photo/chemotherapy for tuberculosis

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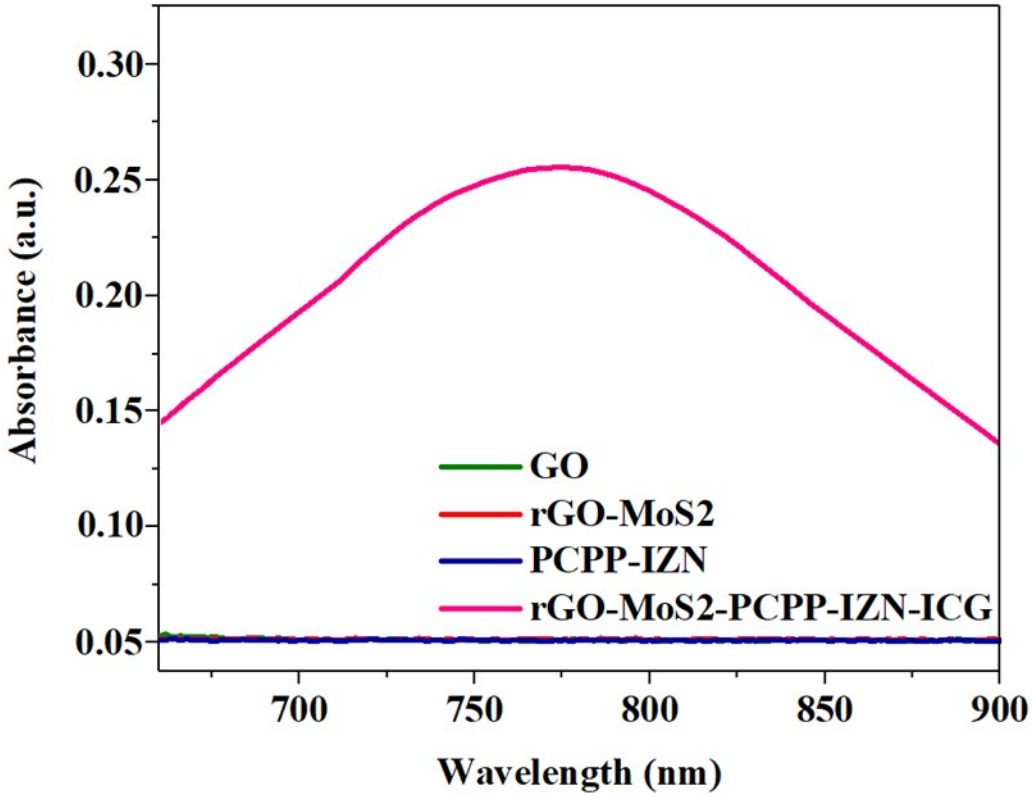

Figure.S1. The UV-Vis spectra of GO, rGO-MoS_2, PCPP-IZN, and rGO-MoS_2-PCPP-IZN-ICG

Table. S1. ICG loading efficiency

Sample	**rGO**	**rGO-MoS_2**	**rGO-MoS_2 -PCPP-IZN**
ICG loading	**81.3 ± 0.28**	**84.53±0.43**	**93.34±0.26**

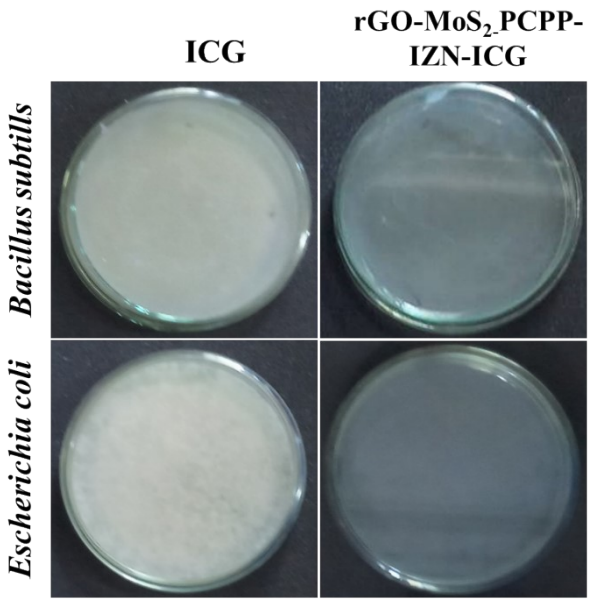

Figure.S2. PCPP-IZN, ICG, rGO, rGO-MoS_2, rGO-MoS_2-PCPP-IZN-ICG nanomaterial effect on *E.coli and B.subtilis* bacterial inhibition after NIR-irradiation by pour plate method.

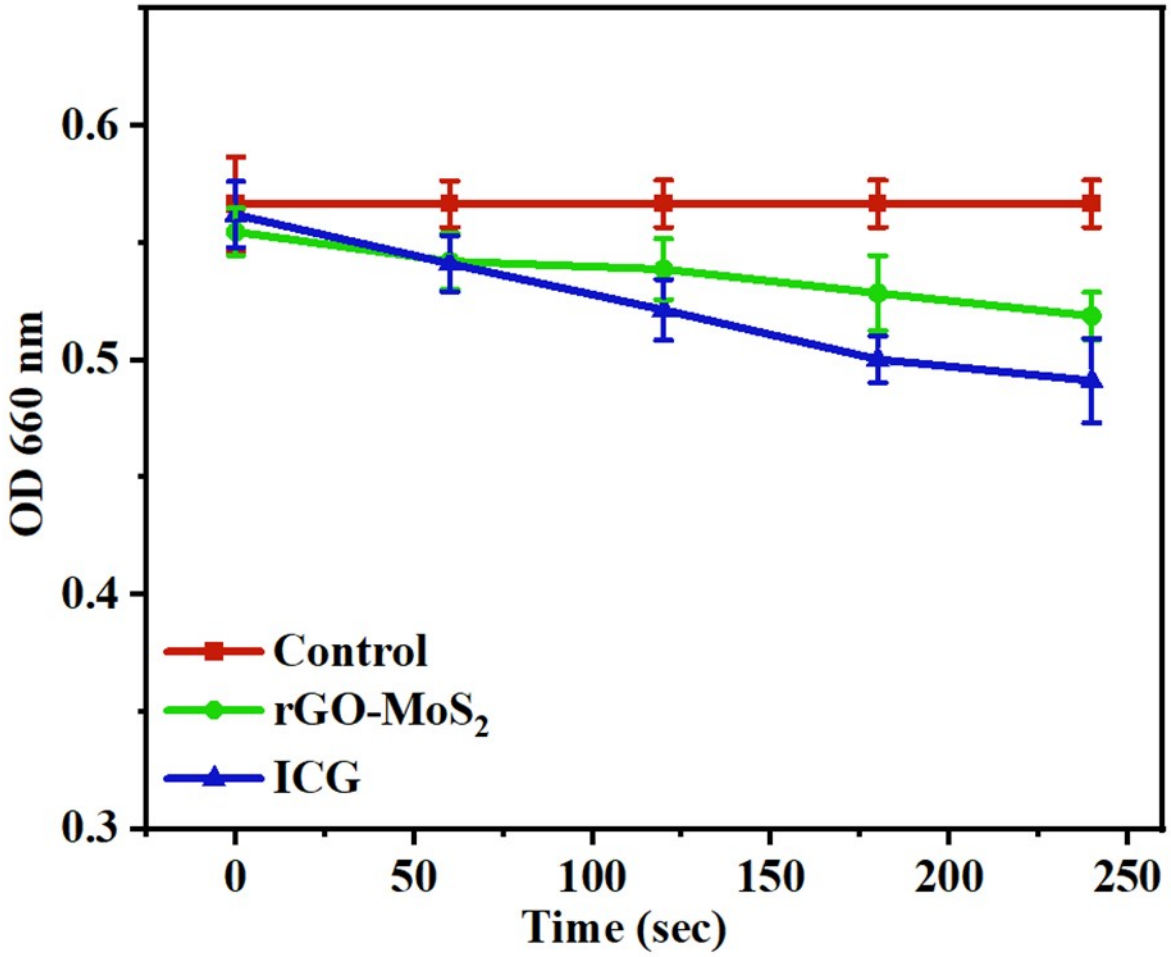

Figure.S3. ***Mycobacterium tuberculosis*** **growth inhibitory effect of control (only NIR laser irradiation), rGO-MoS_2 (5 mg/mL), and ICG (5 mg/mL) in different time interval of NIR laser irradiation.**

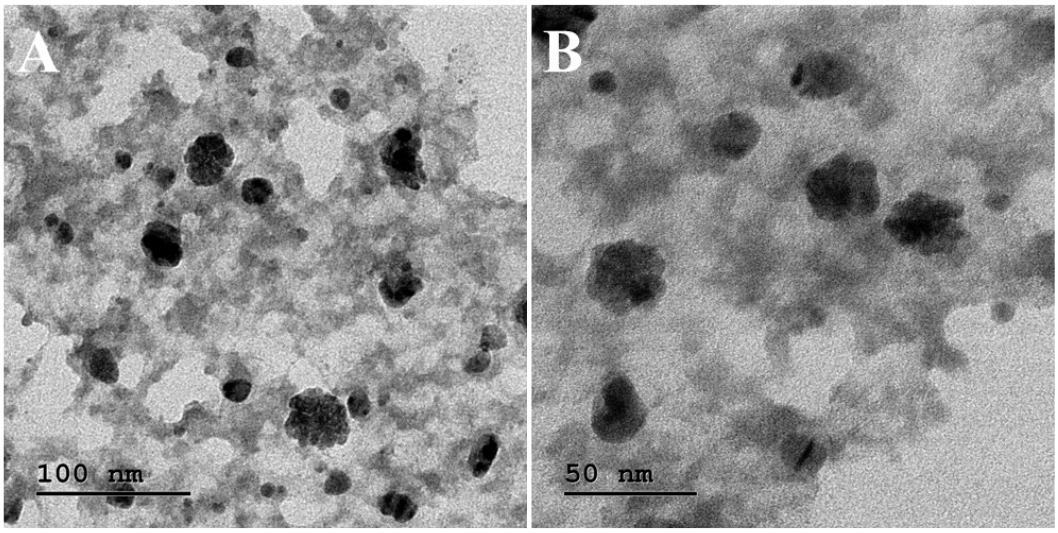

Figure.S4. rGO-MoS_2-PCPP-IZN-ICG nanomaterial treated with cells and NIR irradiation for 5 min.