

Sensible graphene oxide differentiates macrophages and *Leishmania*: Bio-nano interplay in attenuating intracellular parasite

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Supplementary information

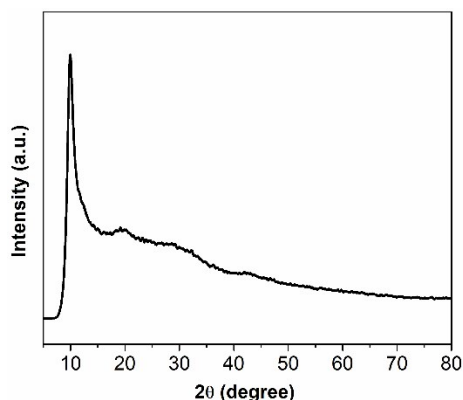


Fig. S1 XRD pattern of GO.

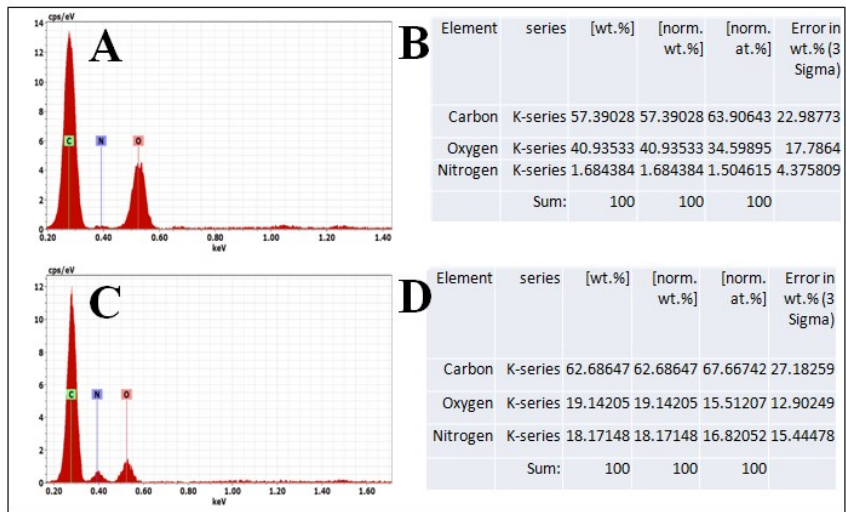


Fig. S2 EDX spectrum of GO (A and B), and AGO (C and D).

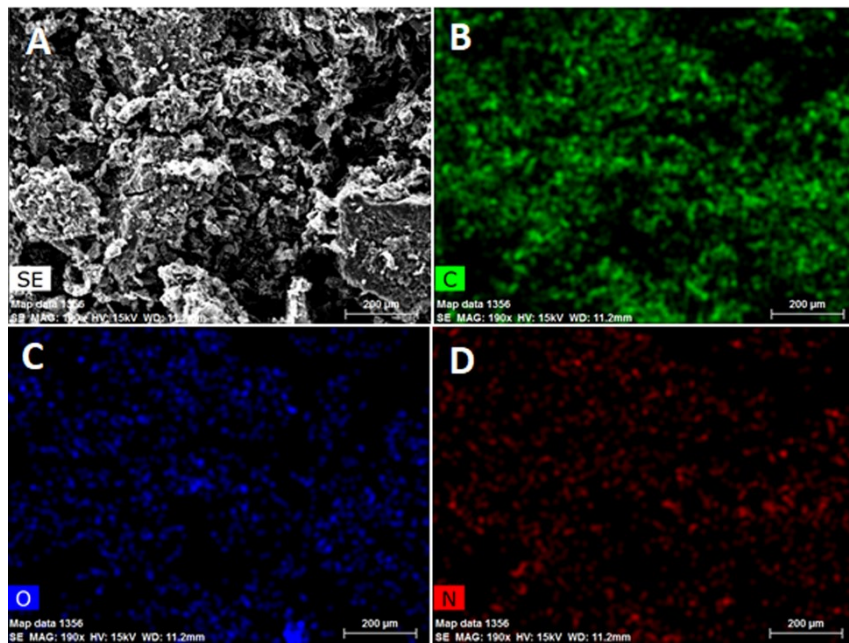


Fig. S3 SEM image of (A) AGO and corresponding quantitative EDX element mapping of (B) C, (C) O and (D) N.

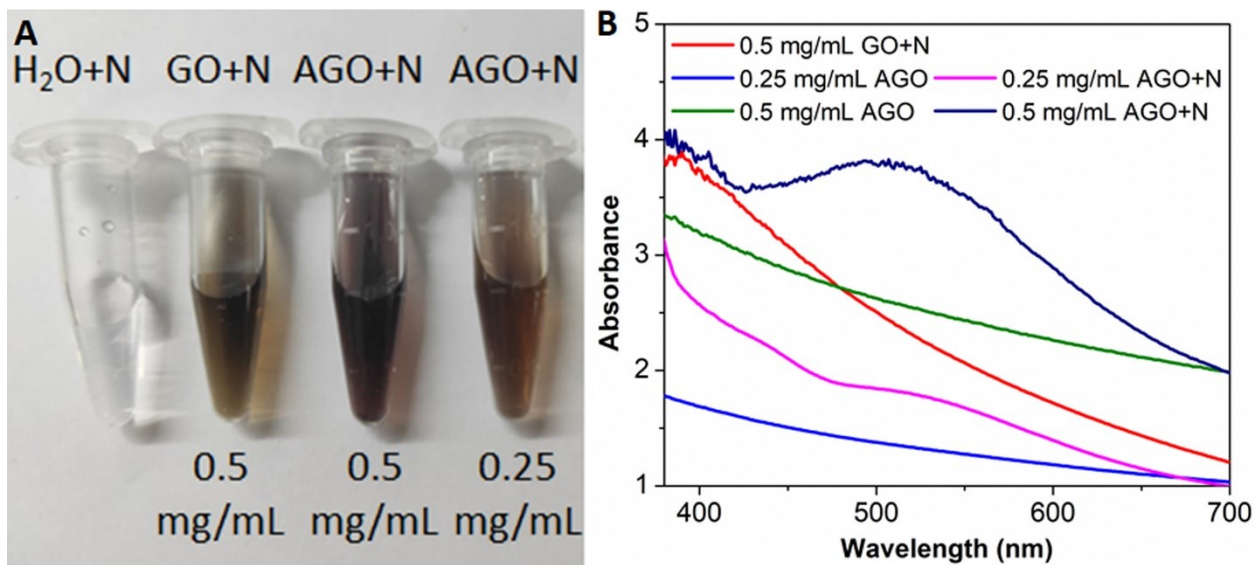


Fig. S4 (A) Images, and (B) absorbance spectra of GO and AGO after reaction with ninhydrin.

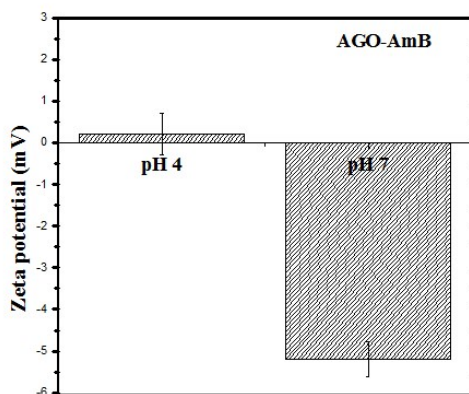


Fig. S4 Zeta potential of AGO-AmB at pH 4 and pH 7.

Table S1 Number of amastigotes/100 macrophages in untreated control and treatment groups (Mean±SD).

Conc. (µg/mL)	AGO-AmB	GO-AmB	AmBisome	AmB	AGO	GO
0.0625	201.5±24.74	211±24.04	219.5±2.12	230.5±20.50	297±16.97	297±16.97

0.125	125.5±13.45	126.5±0.70	160.5±6.36	164±18.38	296.5±17.67	296.5±17.67
0.25	87.5±3.53	100.5±12.02	102.5±17.67	113.5±17.67	297±16.97	297.5±17.67
0.50	52±2.82	66.5±12.02	70.5±7.77	98.5±21.92	297±16.9	297.5±17.67
1	22.5±10.60	34±2.82	49.5±2.12	73±15.55	297.5±17.67	297±16.97
Untreated control						297.5 ± 17.67