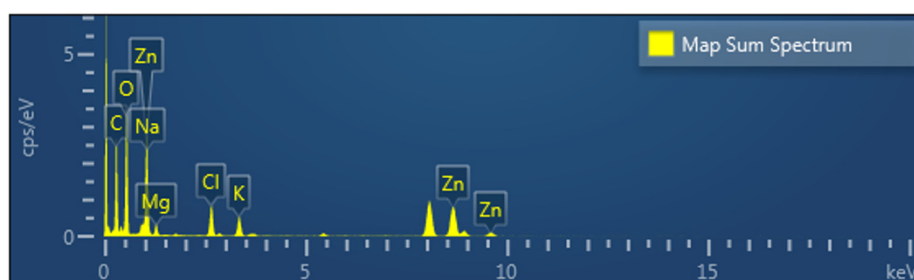


Supplementary Materials

Antimicrobial Effect of Carbon Nanodots–ZnO Nanocomposite Synthesized Using *Sargassum horneri*

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Element	Wt%	Atomic %
C	42.77	60.11
O	26.24	27.69
Na	2.71	1.99
Mg	1.80	1.25
Cl	6.33	3.01
K	4.28	1.85
Zn	15.87	4.10
Total:	100.00	100.00

Figure S1. EDS spectra of the synthesized CNDs–ZnO and its atomic percentage

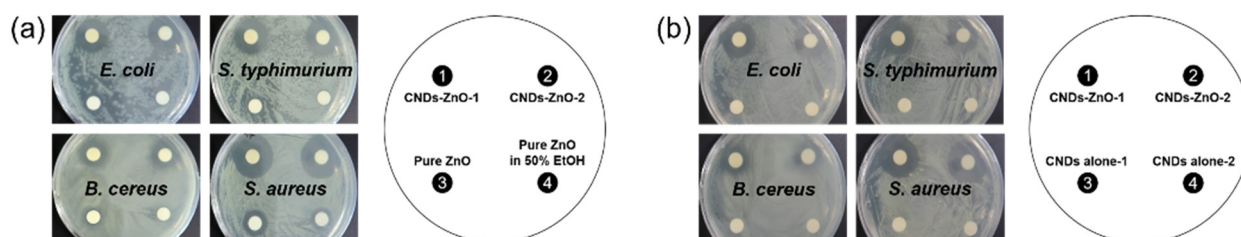


Figure S2. Plate images of disk diffusion antibacterial test for (a) CNDs–ZnO and Pure ZnO; (b) CNDs–ZnO and CNDs alone

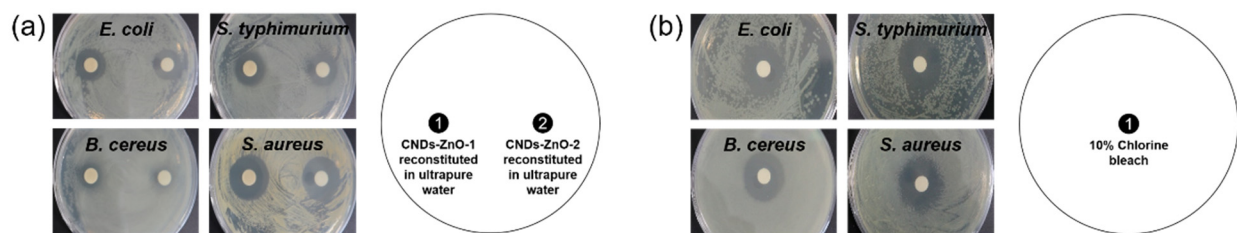


Figure S3. Plate images of disk diffusion antibacterial test for (a) lyophilized CNDs-ZnO after re-dissolved in ultrapure water; (b) 10% Chlorine bleach solution

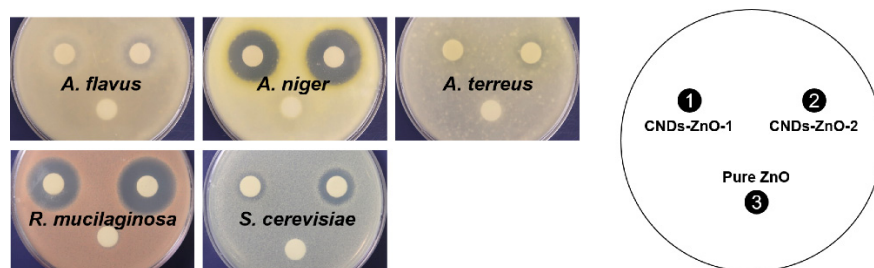


Figure S4. Plate images of disk diffusion antifungal test for CNDs-ZnO and Pure ZnO