

Supplementary Materials: Ceftriaxone Mediated Synthesized Gold Nanoparticles: A Nano-Therapeutic Tool to Target Bacterial Resistance

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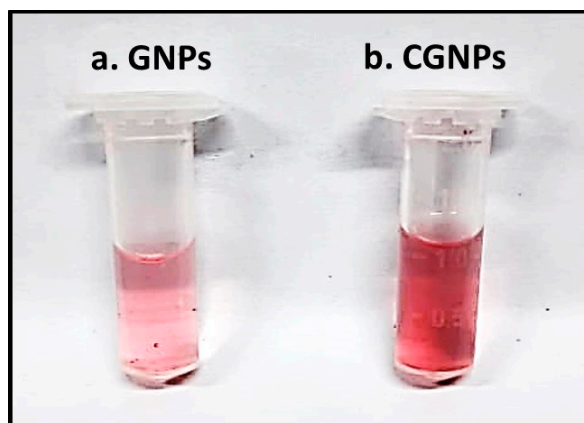


Figure S1. Synthesized gold nanoparticles (a) Bromelain mediated synthesized (GNPs) (b) Ceftriaxone mediated synthesized (CGNPs).

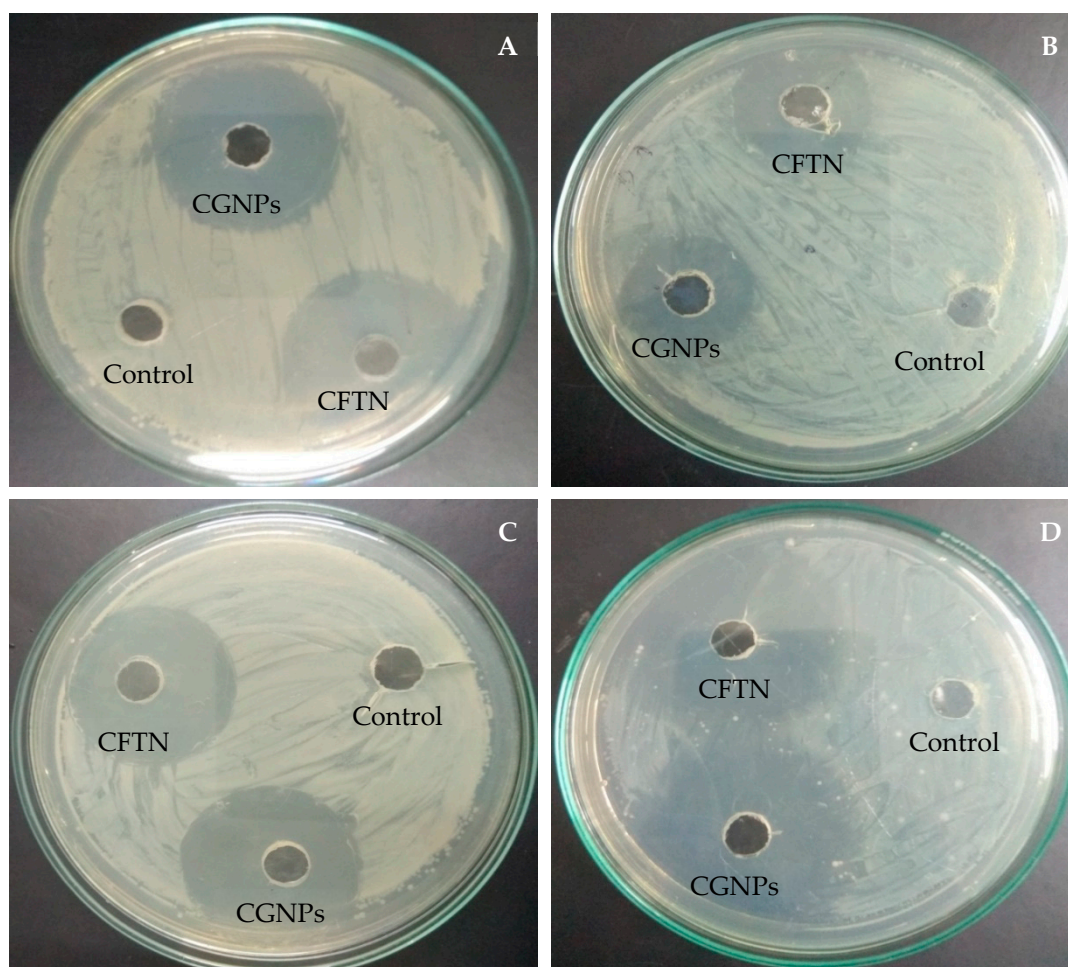


Figure S2. Qualitative assessment of the antibacterial activity of CGNPs and ceftriaxone (CFTN). Müller-Hinton (MH) agar plates were seeded with standardized suspensions (equivalent to 0.5 McFarland) of (A) *Escherichia coli* (B) *Staphylococcus aureus*, (C) *Salmonella abony*, and (D) *Klebsiella pneumonia*. The dilutions of CGNPs 50 μ L (200 μ g/mL CFTN), CFTN 50 μ L (1 mg/mL CFTN), and GNP 50 μ L (negative control) were poured in the wells made in MH plates. After overnight incubation at 37 $^{\circ}$ C, zones of inhibition around wells of CGNPs and CFTN against all tested bacterial species, in comparison to control, were observed.