

Supplementary data

Figure S1: The reproducibility results for the prepared CQDs (12 h, after dialysis); [a] size distribution and [b] Fluorescence spectra.

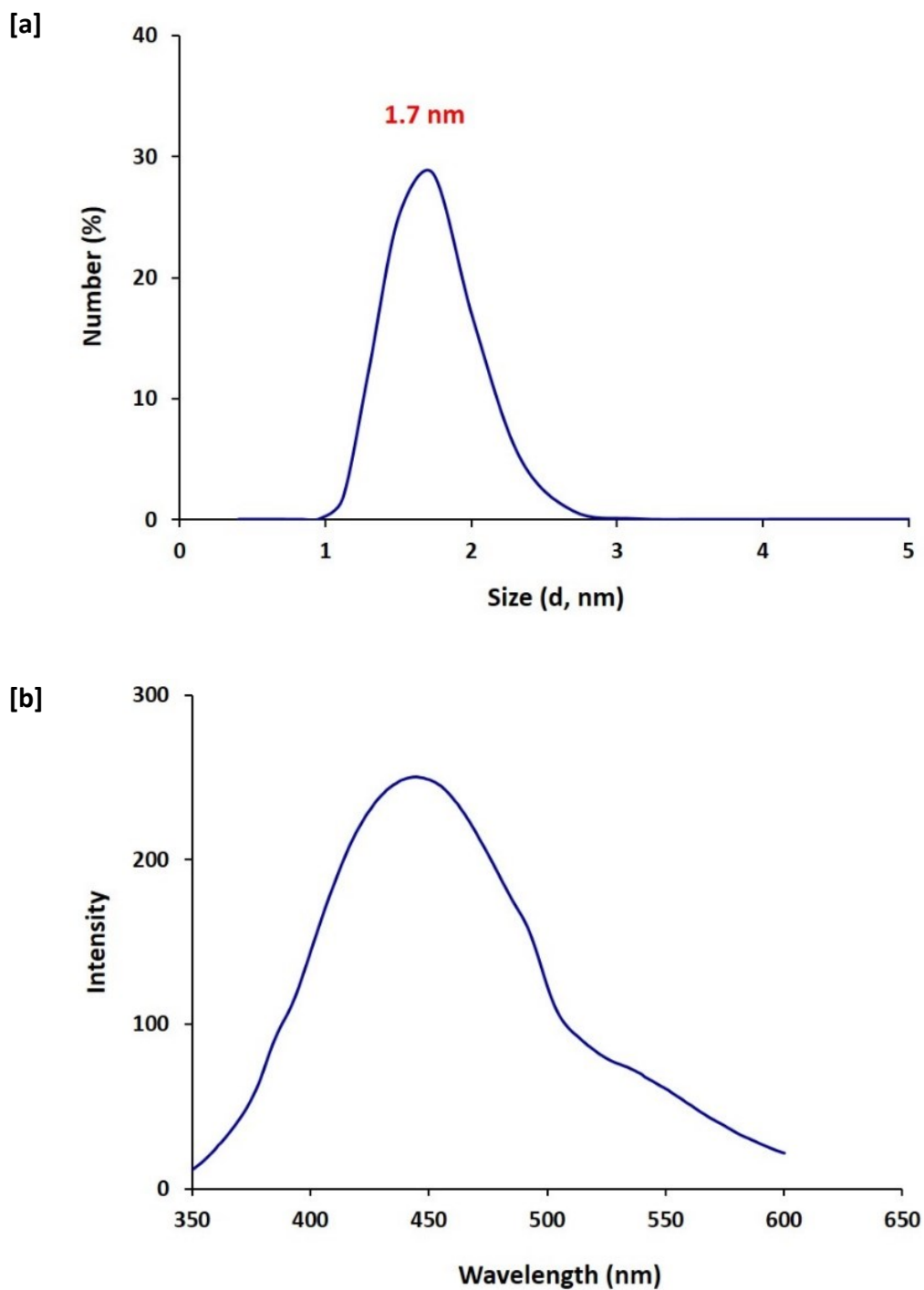


Figure S2: Stern–Volmer model for the fluorescence quenching of CQDs by metal ions (Zn^{+2} & Hg^{+2}), the inset figures presented the only linear relationship.

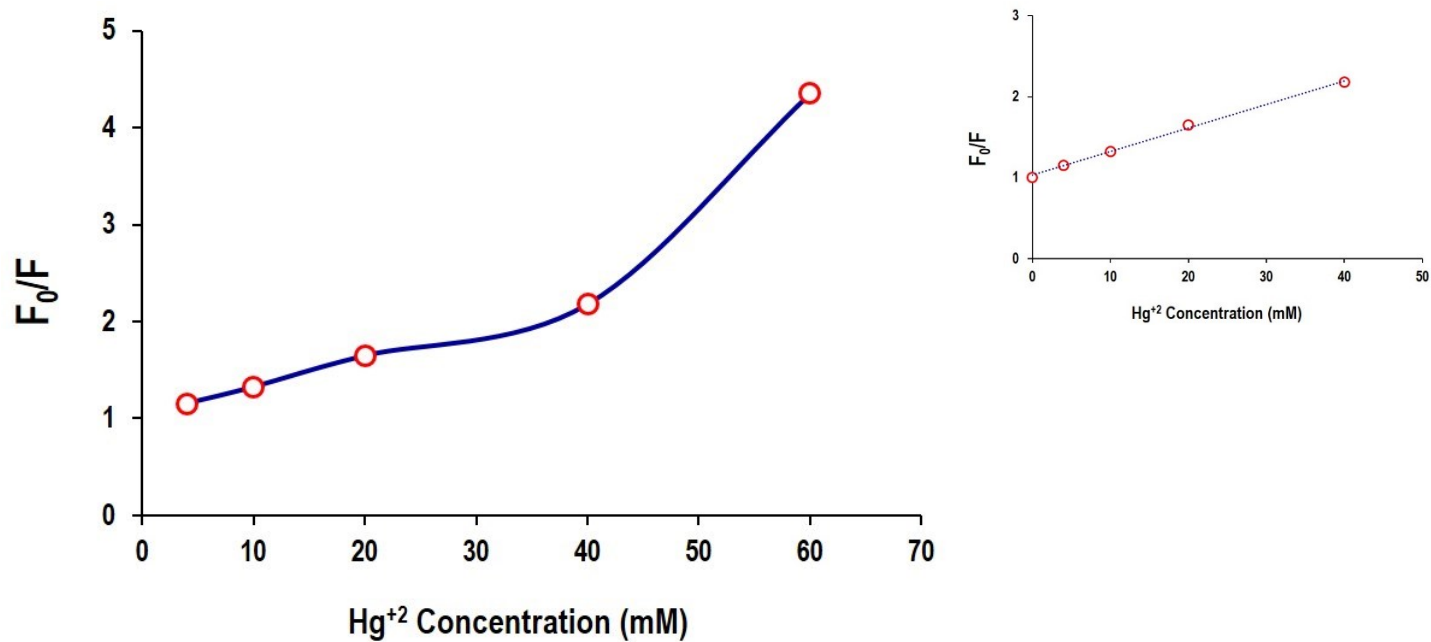
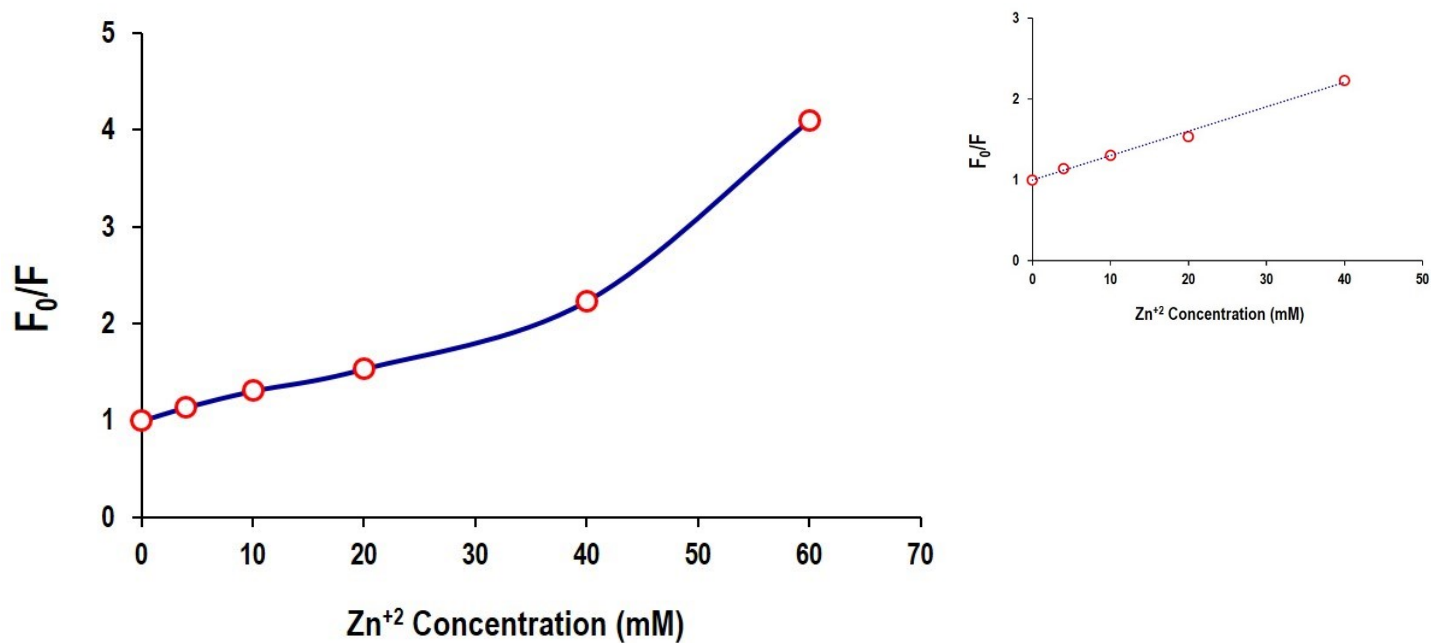
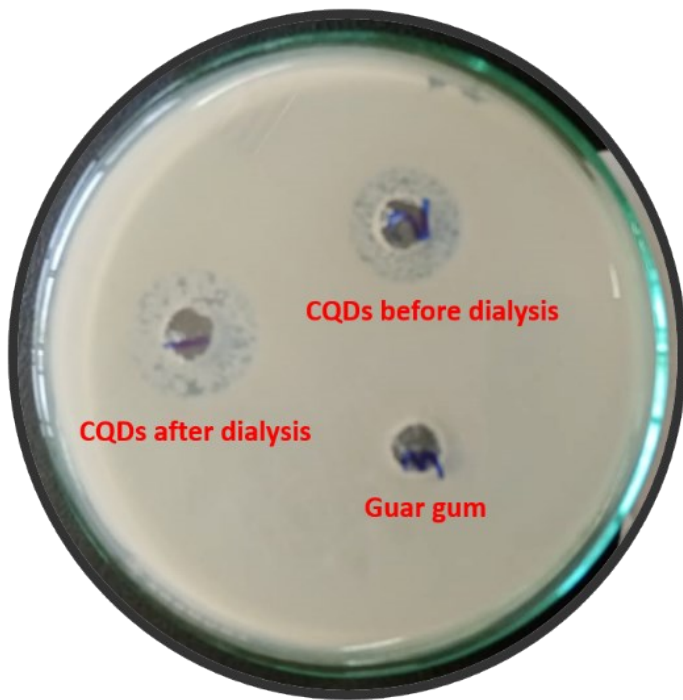
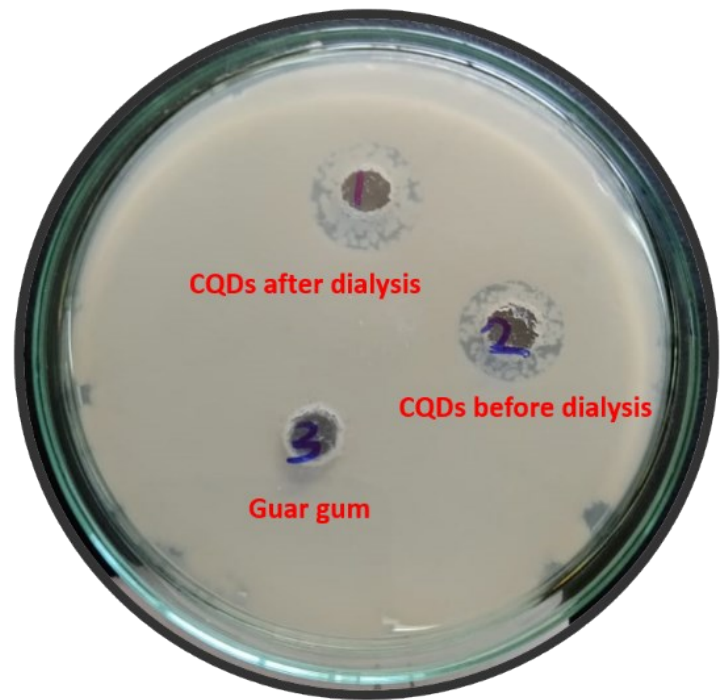


Figure S3: Photographic images for antimicrobial



B. Cereus



C. Albicans