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synthesis of magnesium-based Janus micromotors capable of magnetic navigation and antibiotic drug incorporation

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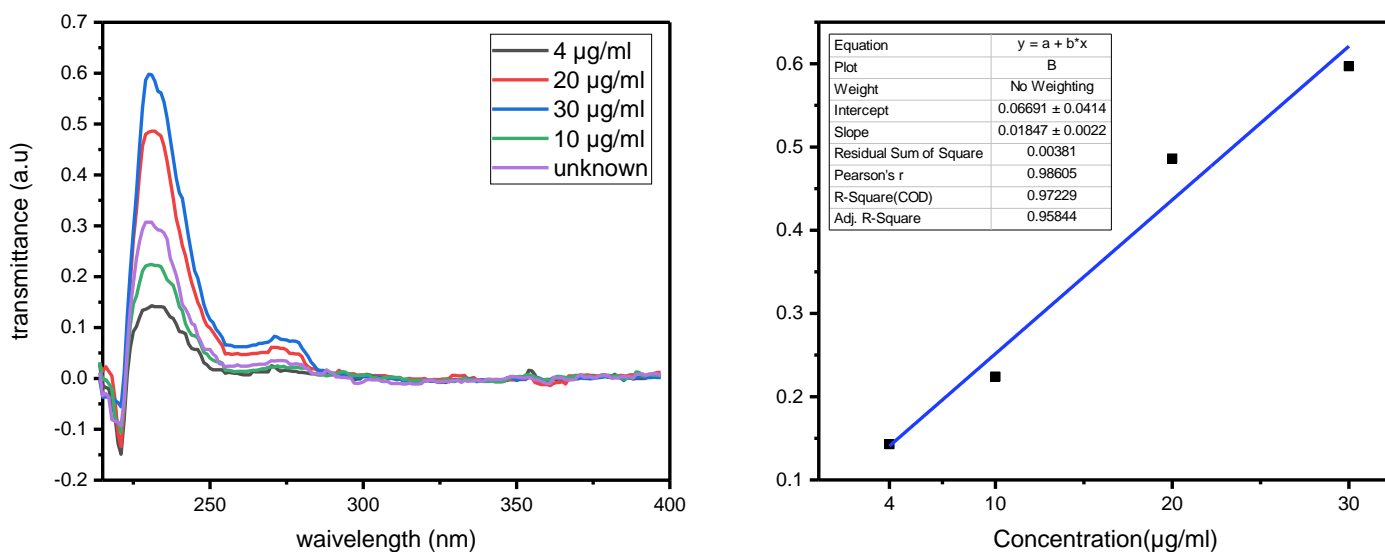


Fig.S1 : UV-VIS spectra of Ampicillin aqueous solutions of unknown concentration and four known concentrations (a). calibration line resulted from intensity of 230 nm peak (b).

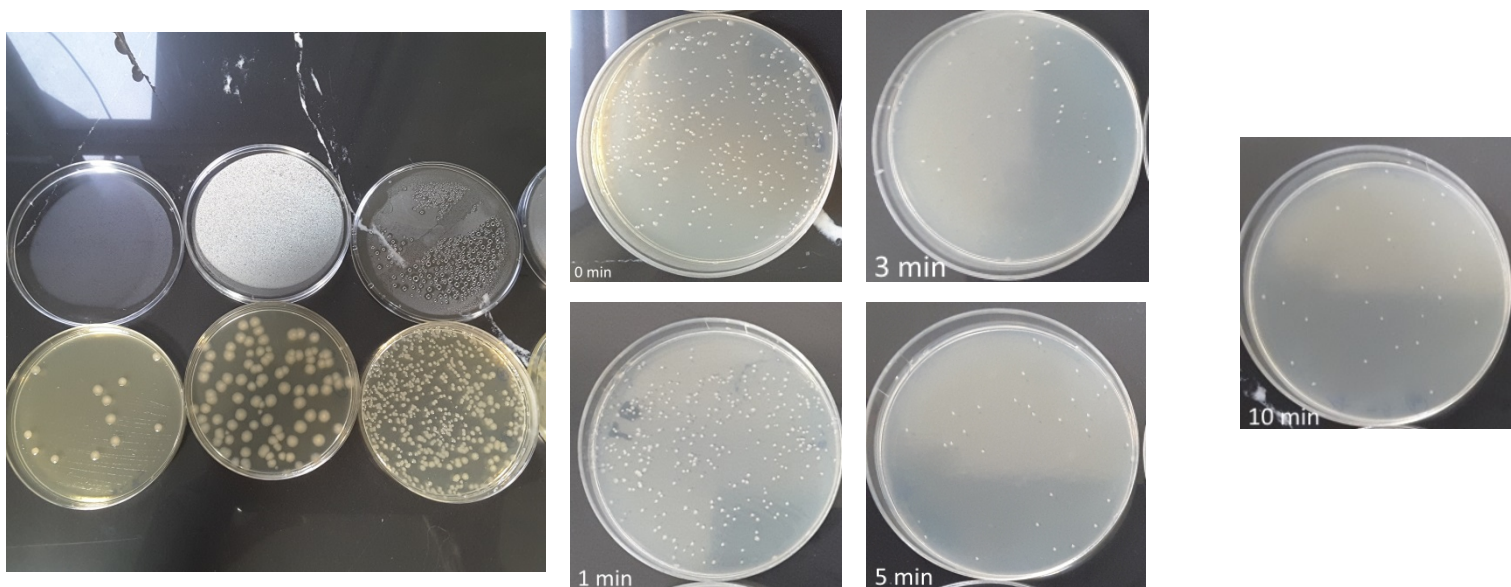


Fig.S2 : plates of bacteria after the test at different contact times.

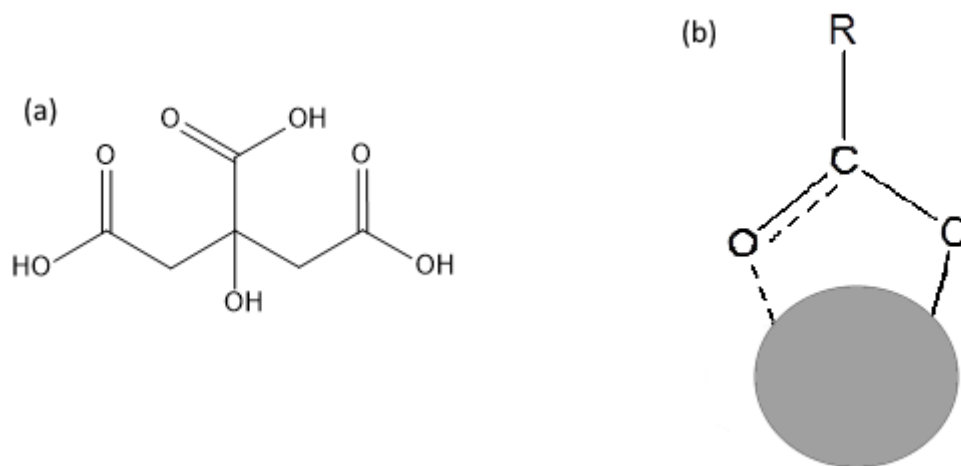


Fig.S3 : structure of citric acid molecule (a) and anticipated structure of a CA- $\text{Fe}_3\text{O}_4$  nanoparticle (b)

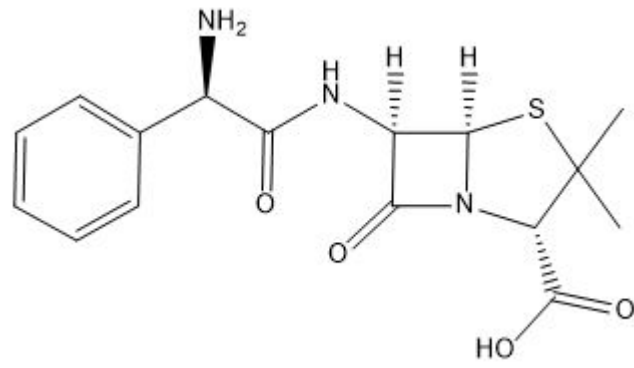


Fig.S4 : structure of Ampicillin molecule