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Enhanced electrochemical sensing of dopamine in the presence of AA and UA using

curcumin functionalized gold nanoparticles modified electrode

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Fig. S1 (ESI⁺). Schematic representation of green synthesis and surface modification of CR-GNP



Fig. S2 (ESI[†]). AFM image of CR-GNP modified electrode



Fig.S3 (ESI[†]). (i) Linear Sweep Voltammetry (LSV) for different concentration of DA at different volume of addition and **(ii- iv)** its corresponding linear calibration plot



Fig. S4 (ESI†). Cyclic voltammogram of CR-GNP modified electrode in 50 ml phosphate buffer (pH 7.02) ; Stability 50 cycles