Development of Novel Microsphere Structured - Calcium Tungstate as Efficacious Electrocatalyst for the Detection of Antibiotic Drug Nitrofurantoin

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Supplementary data
Figure S1. EDX spectrum of calcium tungstate microspheres.
**Figure S2.** (A) The XPS survey spectrum of the calcium tungstate microspheres. High resolution deconvoluted spectra of (B) Ca, (C) W and (D) O.
Figure S3. (A) CV response of bare GCE in ferric system with increasing scan rate (10 – 80 mV S$^{-1}$). (B) Comparison CV plot of bare and CTMs/GCE with 200 µM NFT in 0.05 M PBS. (C) Corresponding bar graph. (D) CV current response for different electrocatalyst loaded electrodes (2 - 8 µL).
Figure S4. (A) Stability study response for 200 µL of NFT in 0.1M PBS solution up to 2500S. (B) LSV response for the real sample NFT tablet concentration of 10-60 µM and (C) NFT dissolved in tap water (10-80 µM).