

Supplementary Information

Simpler and highly sensitive enzyme free sensing of urea via NiO nanostructures modified electrode

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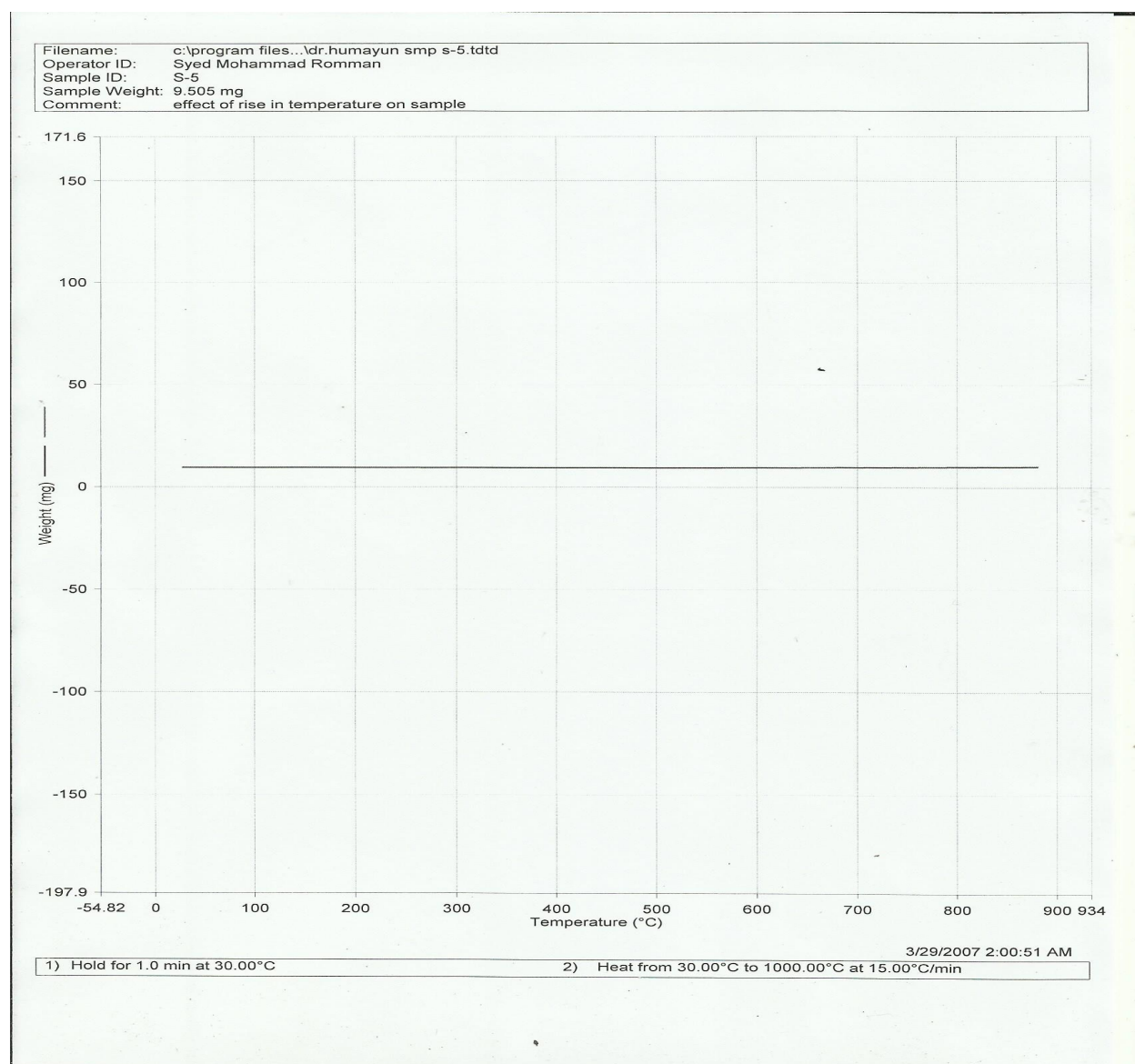


Figure S1. TGA plot of NiO nanostructures in the range of 30 – 1000 °C

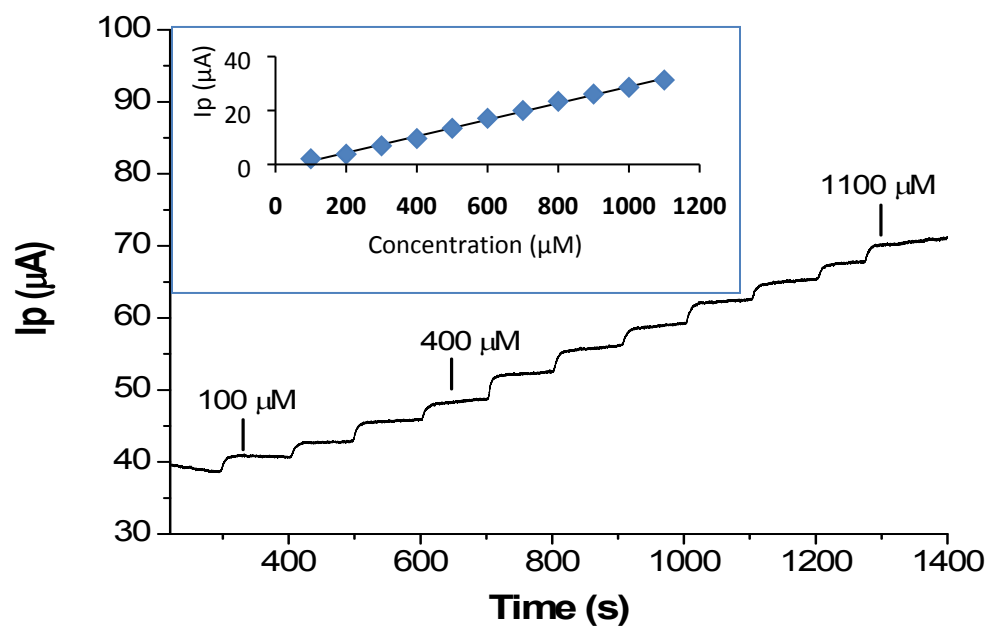


Figure S2. Calibration curve with slow scan rate for urea detection in the range of 0.1 -1.1 mM, inset shows corresponding calibration plot

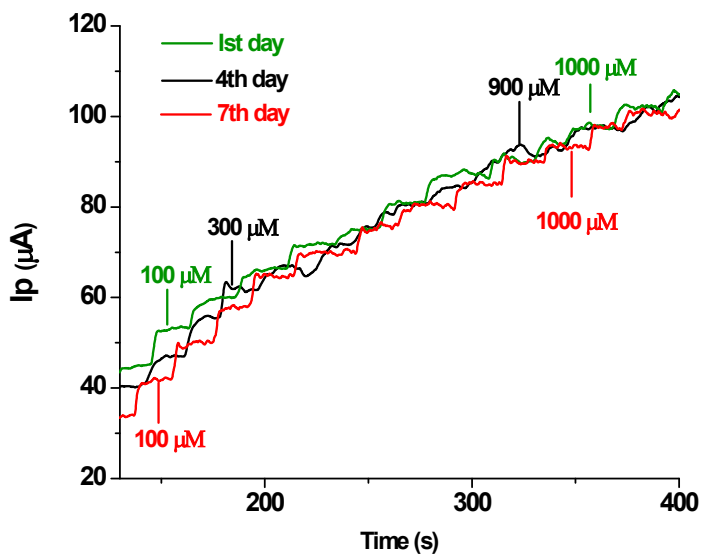


Figure S3A. Amperometric I_p Vs time calibration curves of urea detection for a single NiO modified electrode, green line, at 1st day; black line after 4th day and red line after 7th day.

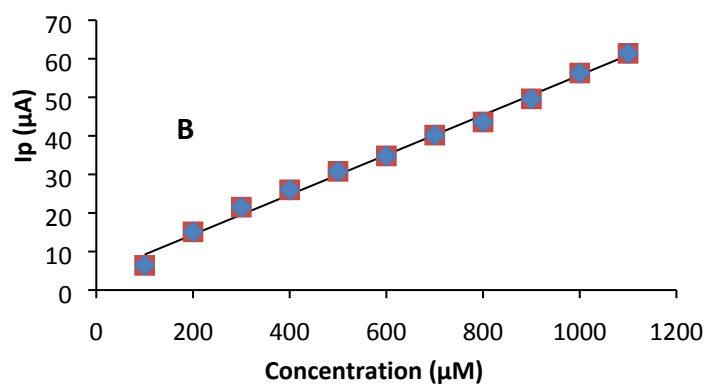


Figure S3B. Calibration plot related to green line (1st day)

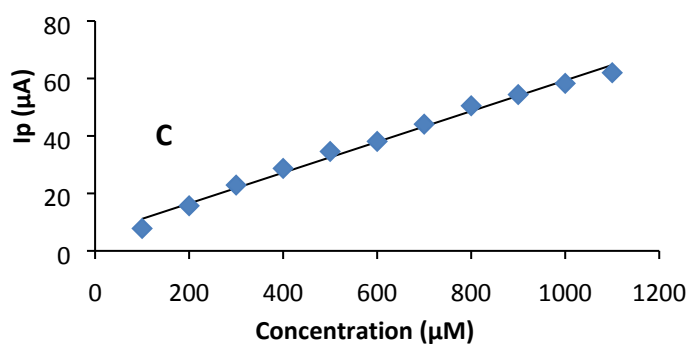


Figure S3C. Calibration plot related to black line (4th day)

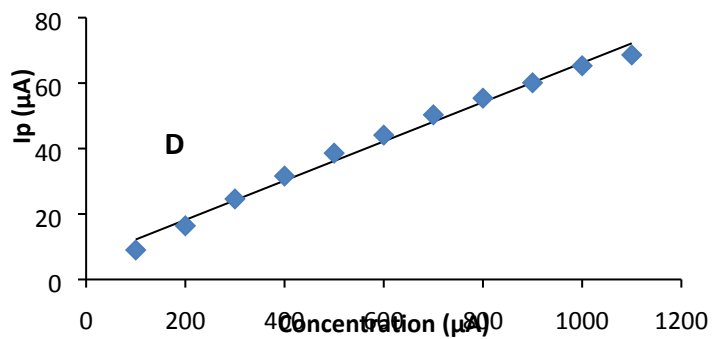


Figure S3D. Calibration plot related to red line (4th day)