

Supplementary Data for
“Voltammetric determination of Diazepam using bismuth modified
pencil graphite electrode”

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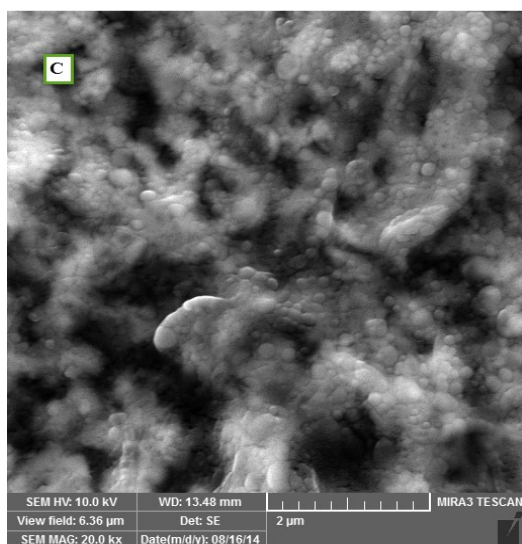
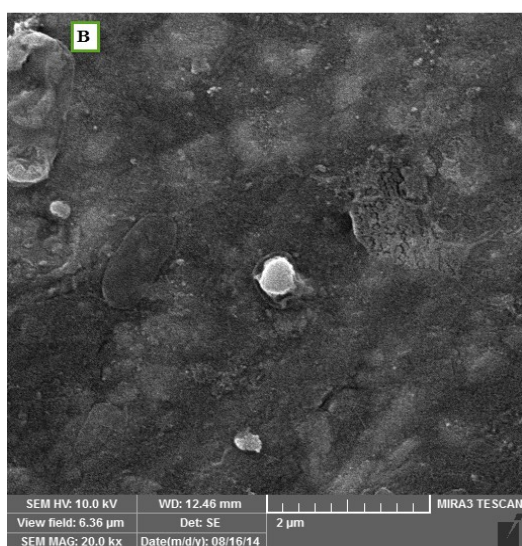
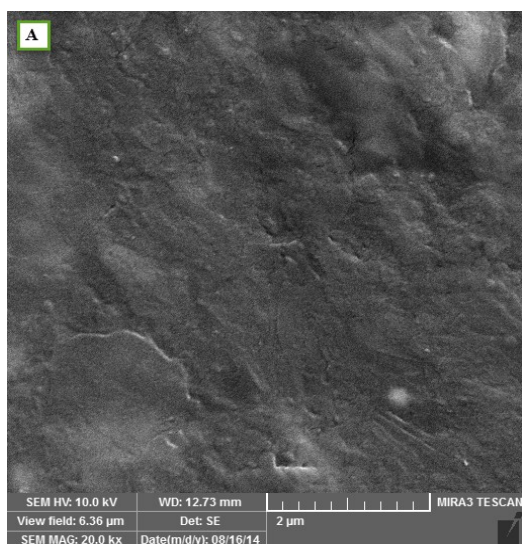


Figure S1

Fig. S1 SEM images of (A) bare PGE, (B) PPGE and (C) BiPPGE surface.

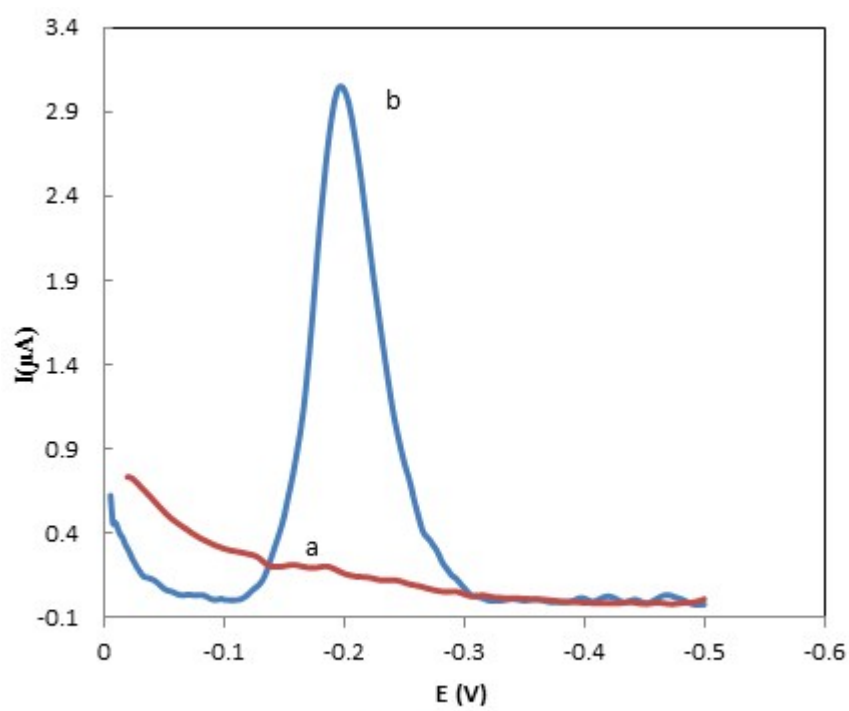


Figure S2

Fig. S2 Differential pulse voltammogram of (a) PPGE, (b) BiPPGE 0.5 M in acetate buffer pH= 4.8.

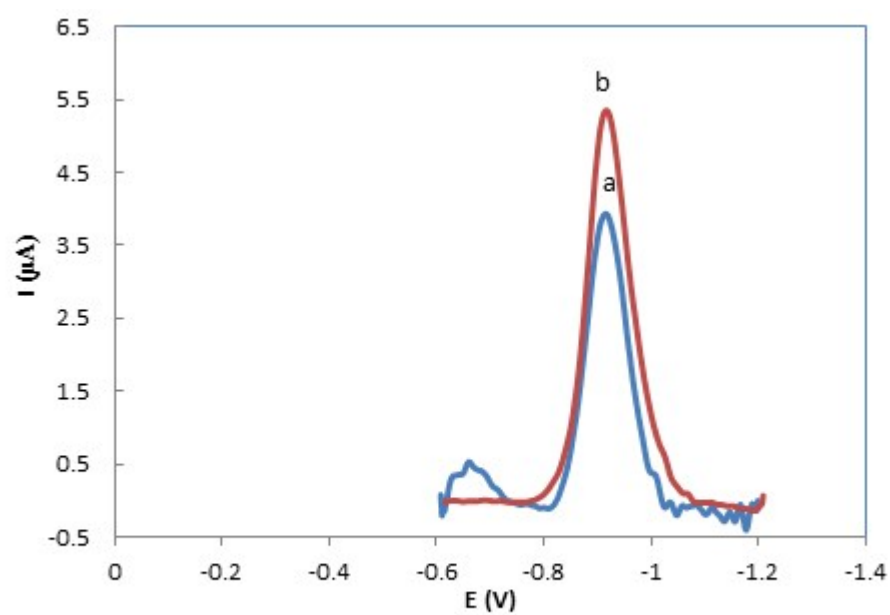


Figure S3

Fig. S3 Differential pulse voltammogram of BiPPGE pretreated with (a) potentiodynamic and (b) potentiostatic method in 0.5 M acetate buffer solution pH= 4.8 containing 0.04 mM DZ.

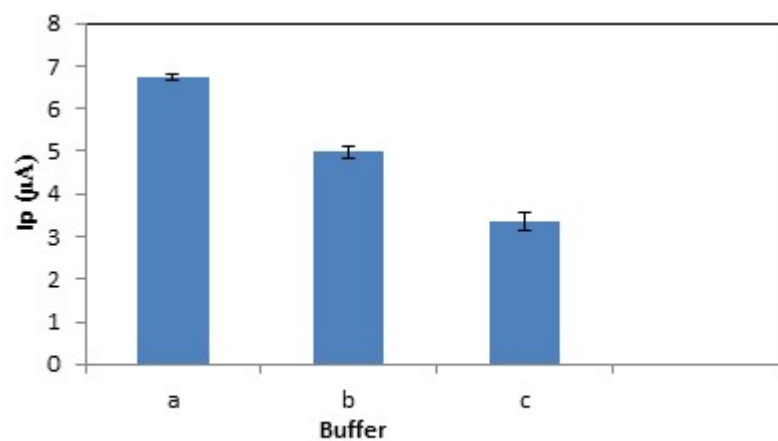


Figure S4

Fig. S4 Differential pulse voltammograms of 0.04 mM DZ in (a) 0.5 M acetate buffer pH= 4.8, (b) phosphate buffer 0.5 M pH=5, (c) Britton-Robinson buffer 0.12 M pH=5.

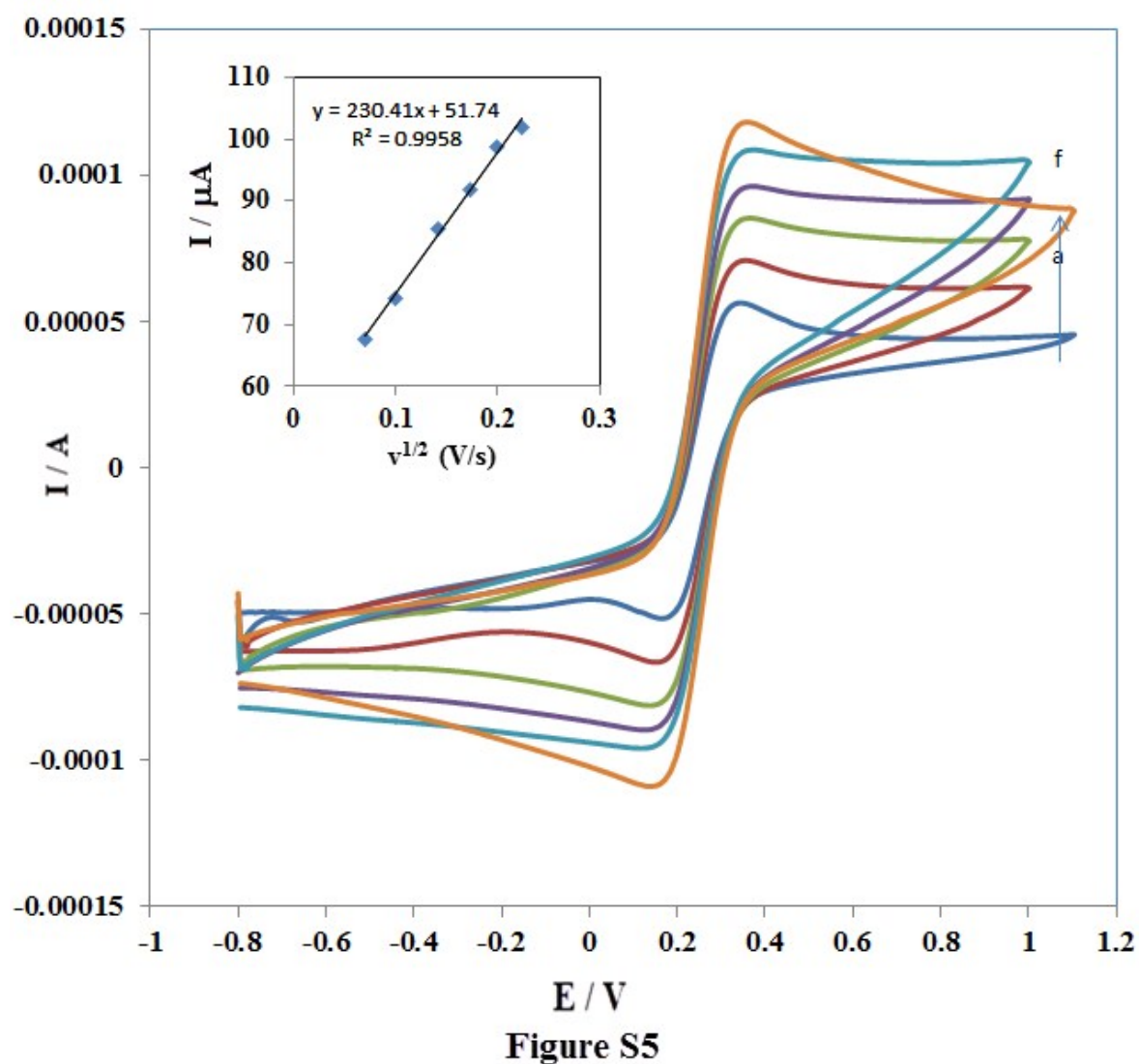


Fig. S5 Cyclic voltammograms obtained at PPGE in the presence of 0.005 M potassium hexacyanoferrate at (a) 5, (b) 10, (c) 20, (d) 30, (e) 40, (f) 50 $\text{mV}\cdot\text{s}^{-1}$ scan rates. Inset: I_p versus $V^{1/2}$ graph related to fig. S5.