Supplementary

Determination of Dipyridamole Using a MIP-Modified Disposable Pencil Graphite Electrode

Daniel Preda [1], Maria Lorena Jinga [2], Iulia Gabriela David [2,*] and Gabriel Lucian Radu [3,*]

[1] Doctoral School of Chemical Engineering and Biotechnologies, University Politehnica of Bucharest, Gheorghe Polizu Street 1-7, District 1, 011061 Bucharest, Romania; daniel.preda1208@stud.chimie.upb.ro
[2] Department of Analytical Chemistry and Physical Chemistry, Faculty of Chemistry, University of Bucharest, Panduri Av. 90-92, District 5, 050663 Bucharest, Romania; maria.jinga@s.unibuc.ro
[3] National Institute of Biological Sciences, Centre of Bioanalysis, Splaiul Independentei 296, District 6, 060031 Bucharest, Romania
* Correspondence: gabrielaiulia.david@g.unibuc.ro (I.G.D.); lucian.radu@incdsb.ro (G.L.R.)

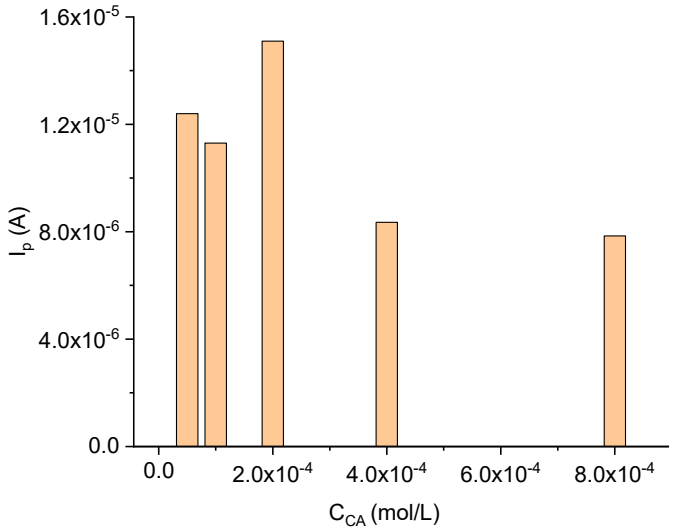


Figure S1. The effect of CA concentration in the polymerization mixture on 2.00 × 10^{-5} mol/L DIP oxidation peak current (I_p) recorded by DPV in PBS pH = 7.00 using MIP_PGE; Polymerization conditions: C_{DIP} = 4.00 × 10^{-5} mol/L; PBS pH = 7.00; HB_PGE; 5 voltammetric cycles between 0.000 and 2.000 V; scan rate 0.100 V/s.

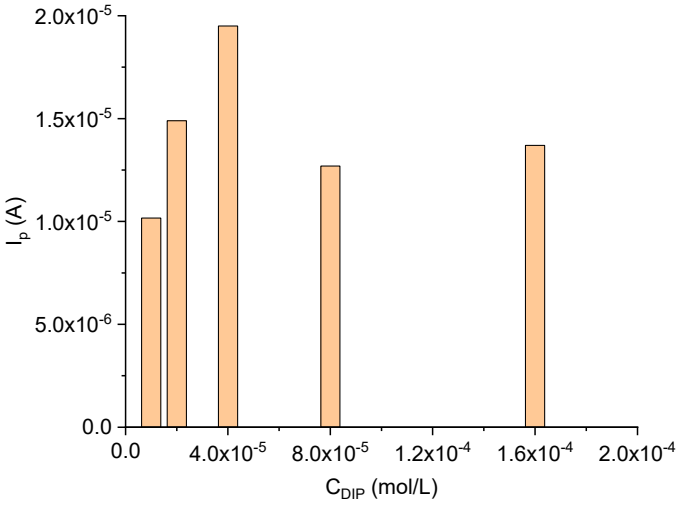


Figure S2. The effect of the template (DIP) concentration in the polymerization mixture containing 2.00 × 10^{-4} mol/L CA (monomer) on 2.00 × 10^{-5} mol/L DIP oxidation peak current recorded by DPV in PBS pH = 7.00 using MIP_PGE; Polymerization conditions: C_{CA} = 2.00 × 10^{-4} mol/L; PBS pH = 7.00; HB_PGE; 5 voltammetric cycles between 0.000 and 2.000 V; scan rate 0.100 V/s.

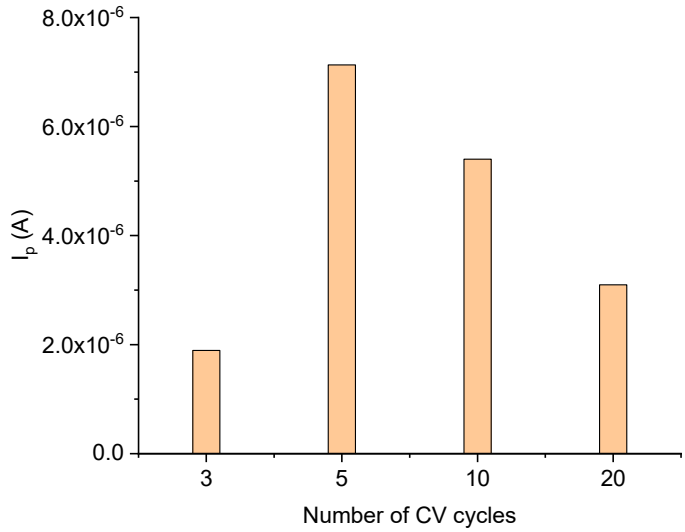


Figure S3. Comparison of the DIP responses on 7.50 ×10^{-6} mol/L DIP in PBS pH = 7.00 at PGE modified with MIP prepared by electropolymerization at different numbers of voltametric cycles. Polymerization conditions: C_{CA} = 2.00 ×10^{-4} mol/L; C_{DIP} = 4.00 ×10^{-5} mol/L; PBS pH = 7.00; HB_PGE; potential scanned between 0.000 and 2.000 V; scan rate 0.100 V/s.

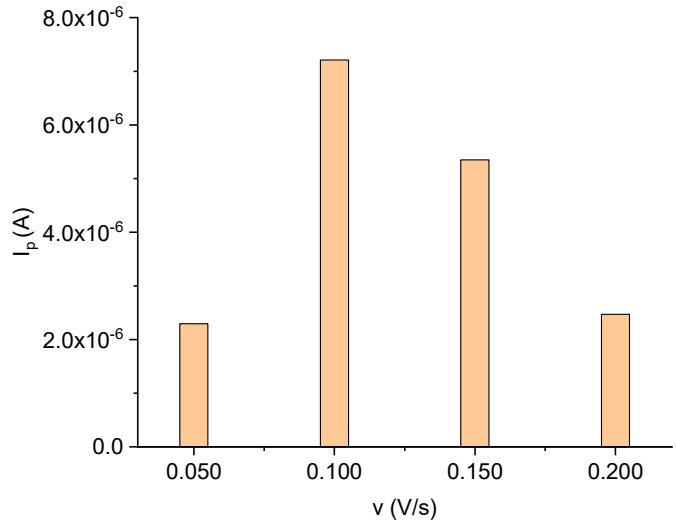
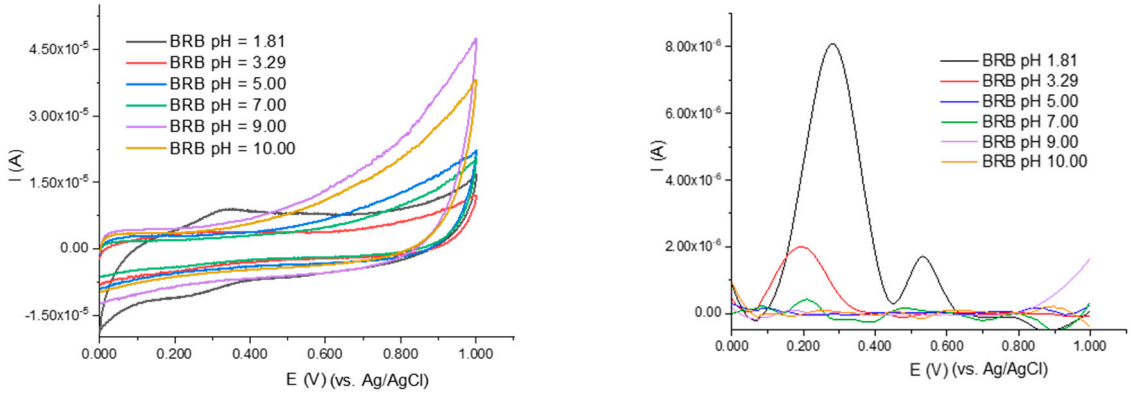
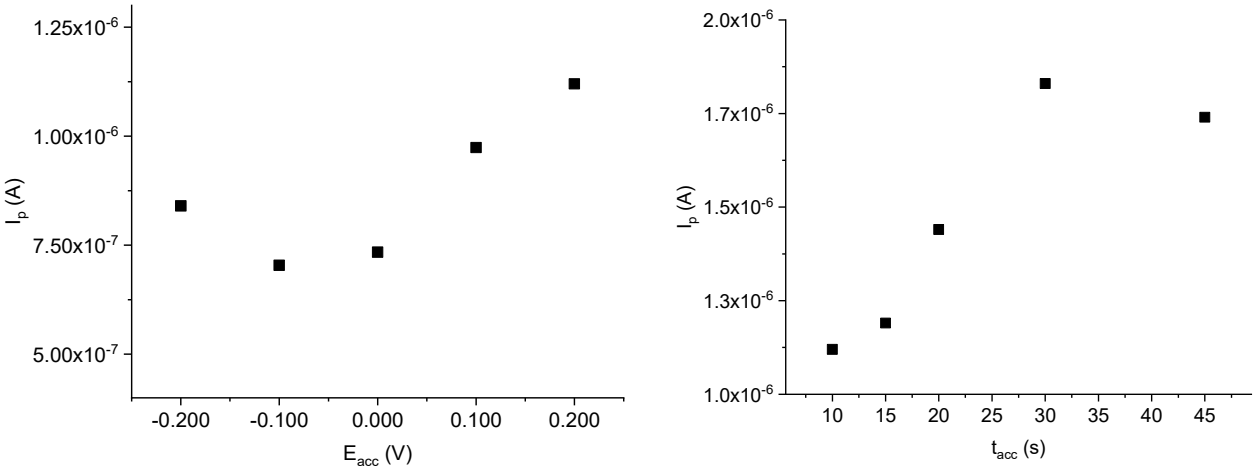


Figure S4. Comparison of the DIP responses on 7.50 ×10^{-6} mol/L DIP in PBS pH = 7.00 at PGE modified with MIP prepared by electropolymerization at different scan rates (v). Polymerization conditions: C_{CA} = 2.00 ×10^{-4} mol/L; C_{DIP} = 4.00 ×10^{-5} mol/L; PBS pH = 7.00; HB_PGE; potential scanned between 0.000 and 2.000 V; 5 voltammetric cycles.



(**a**) (**b**)

Figure S5. Cyclic (scan rate 0.100 V/s) (a) and differential pulse voltammograms (b) recorded at MIP_PGE for electrolyte solutions of BRB with different pH values.



(**a**) (**b**)

Figure S6. Variation of DPV peak current recorded at MIP_PGE for a 1.00 × 10^{-7}mol/L DIP in PBS pH = 7.00 with the accumulation potential (a) and time (b).