Electronic Supplementary Material (ESI) for Analytical Methods.

Bionanocomposite-modified glassy carbon electrode for the determination of 4,4'-methylene diphenyl diamine

Masoud Ghaani,[a] Flavia Pucillo,[a] Richard T. Olsson,[b] Matteo Scampicchio [c] and Stefano Farris *[a,d]

[a] *DeFENS, Department of Food, Environmental and Nutritional Sciences, Food Packaging Lab, University of Milan, via Celoria 2 – I-20133 Milan, Italy.*
[b] *Department of Fibre and Polymer Technology, School of Chemical Science and Engineering, KTH Royal Institute of Technology, Teknikringen 56, SE-100 44 Stockholm, Sweden.*
[c] *Free University of Bolzano, Piazza Università 1 – 39100 Bolzano, Italy.*
[d] *INSTM, National Consortium of Materials Science and Technology, Local Unit University of Milan, via Celoria 2 – I-20133 Milan, Italy*
† Corresponding author. Tel.: +39 0250316805; Fax: +39 0250316672. Email address: stefano.farris@unimi.it (S. Farris).

Electronic Supplementary Information

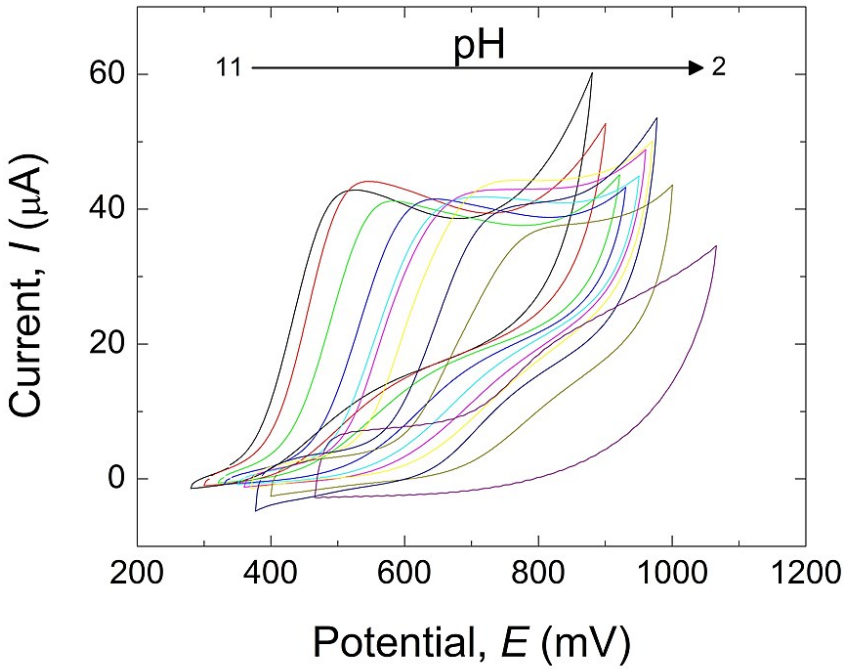

Figure S1. Cyclic voltammograms at the MWCNTs-CS-AuNPs/GCE surface at different pH values (from 2 to 11) in a 0.1 M B–R buffer solution containing 500 μM of MDA.

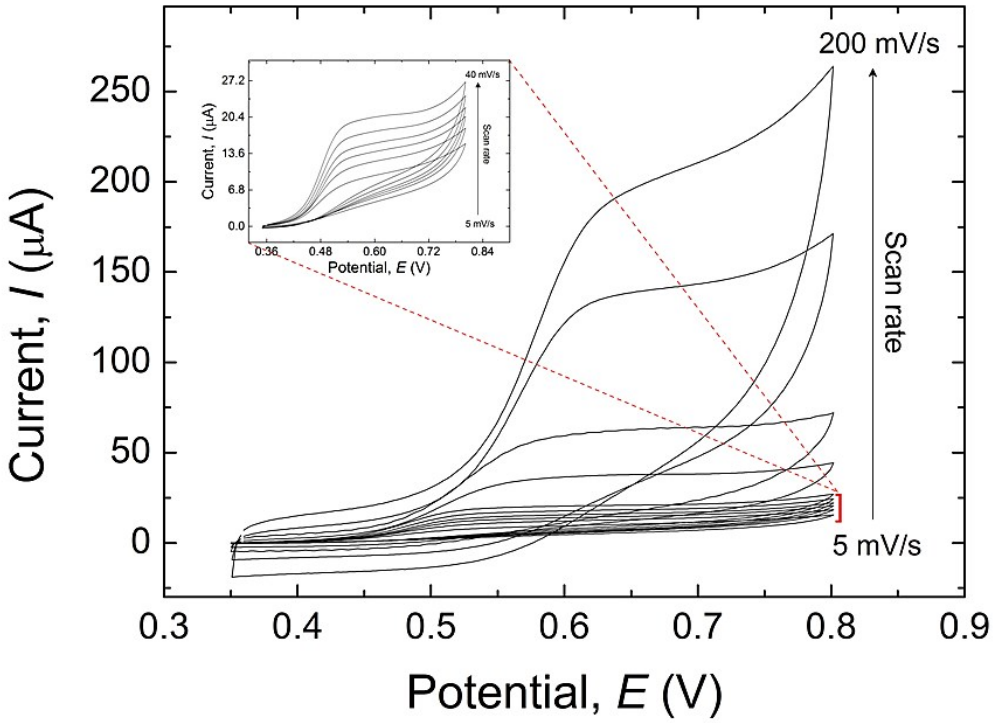

Figure S2. Cyclic voltammograms of MWCNTs-CS-AuNPs/GCE in a B–R buffer solution (0.1 M, pH 10.0) containing 500 µM MDA at different scan rates (5–200 mV/s). For clarity, the 5–40 mV/s scan rate range is shown in the inset.