

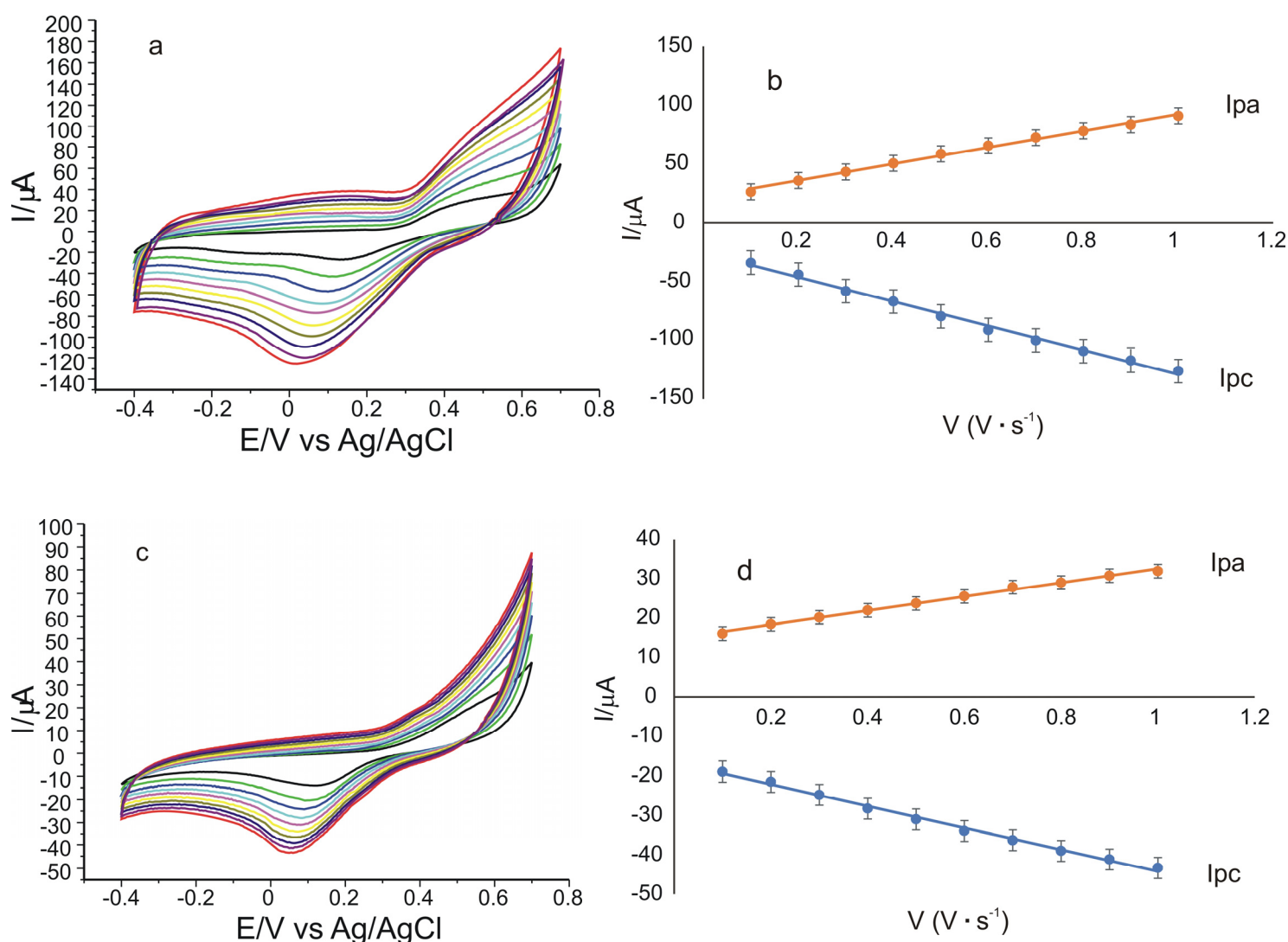
# Assessment of the Antioxidant Activity of Catechin in Nutraceuticals. Comparison between a Newly Developed Electrochemical Method and Spectrophotometric Methods

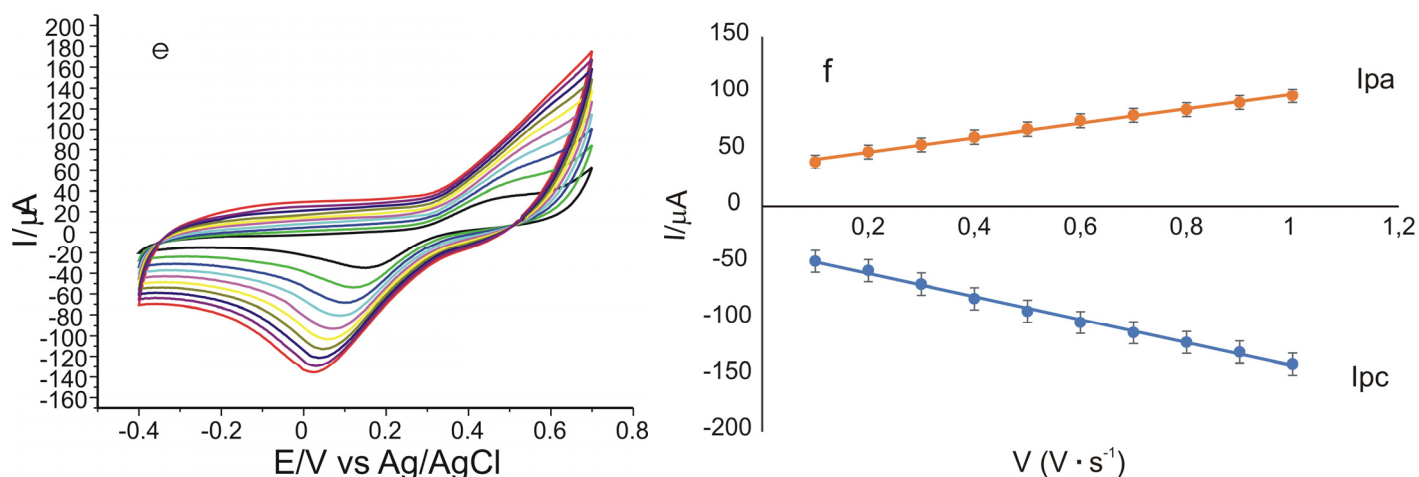
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## Supplementary information





**Figure S1.** Cyclic voltammograms of CNT-Lac/SPE (a), GNP-Lac/SPE (c), CNT-GNP-Lac/SPE (e) immersed in  $10^{-3}$  M catechin -  $10^{-1}$  M acetate buffer (pH 5.2), recorded at various scan rates within the range  $0.1\text{--}1.0$   $\text{V} \cdot \text{s}^{-1}$ . Linear dependence between cathodic ( $I_{pc}$ ) and anodic ( $I_{pa}$ ) peak currents and the scan rates for CNT-Lac/SPE (b), GNP-Lac/SPE (d), CNT-GNP-Lac/SPE (f). Linear regression equations are:  $y = 70.43x + 21.63$  ( $R^2 = 0.996$ ,  $n=10$ ) and  $y = -103.54x - 25.89$  ( $R^2 = 0.995$ ,  $n=10$ ) for (b);  $y = 17.79x + 14.8$  ( $R^2 = 0.996$ ,  $n=10$ ) and  $y = -27.64x - 16.59$  ( $R^2 = 0.995$ ,  $n=10$ ) for (d);  $y = 63.02x + 35.73$  ( $R^2 = 0.9955$ ,  $n=10$ ) and  $y = -102.33x - 39.16$  ( $R^2 = 0.996$ ,  $n=10$ ) for (f).