

"Supplementary Information"

Fabrication of a novel electrochemical sensing platform based on core-shell nano-structured/molecularly imprinted polymer for sensitive and selective determination of ephedrine

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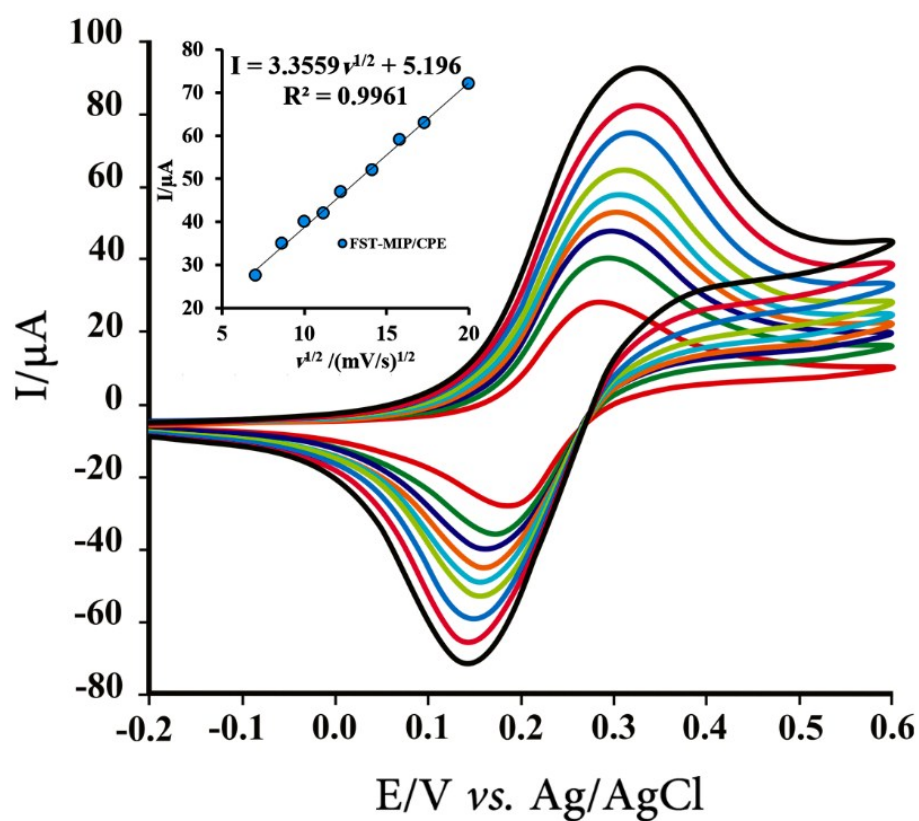


Fig. S1. Cyclic voltammograms of FST-MIP/CPE in $1.0 \times 10^{-3} \text{ mol L}^{-1} \text{ K}_4[\text{Fe}(\text{CN})_6]$ and 0.1 M KCl at different scan rate (50-350 mV s^{-1} from bottom to top).

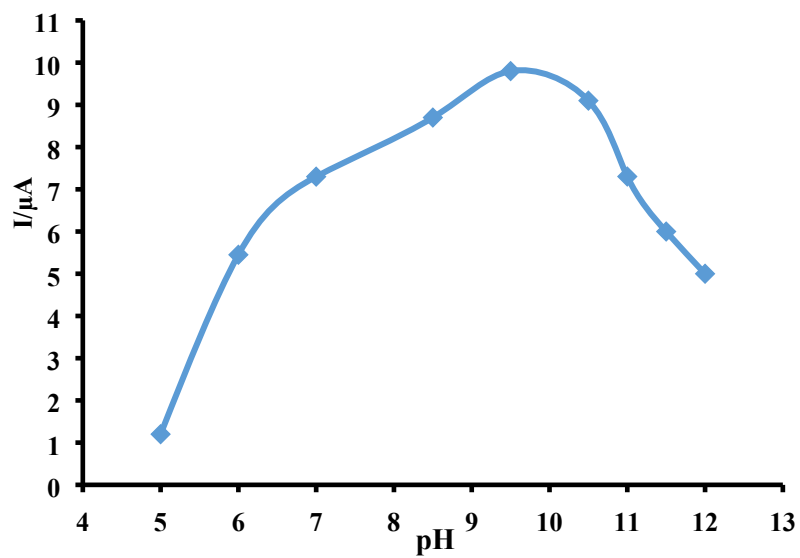


Fig. S2. Optimization of pH for EP accumulation in the FST-MIP/CPE. EP $1 \mu\text{mol L}^{-1}$, extraction time=6 mins. Electrochemical measurement in B-R buffer solution (pH=10.5).

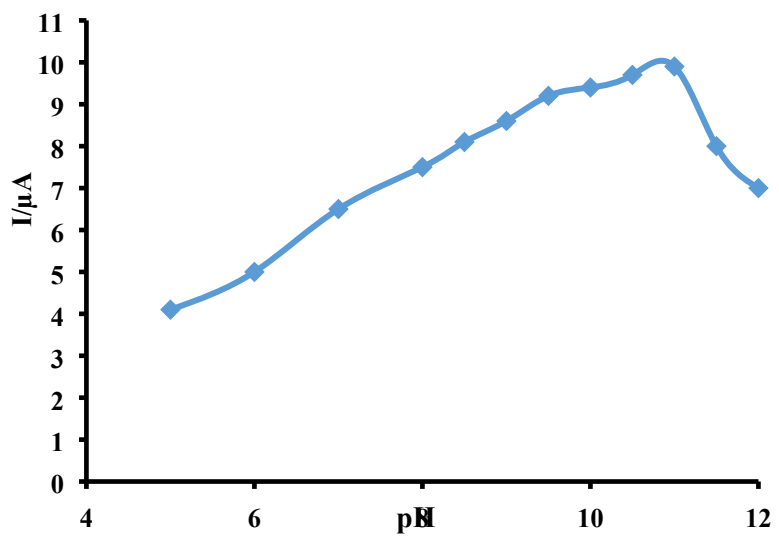


Fig. S3. Influence of pH on electrochemical measurement of $1 \mu\text{mol L}^{-1}\text{EP}$. Accumulation pH=9.5.