

Supplementary material to Determination of acetaminophen and theophylline in drug samples by electrochemical method using Fe/MCM-41 modified electrode

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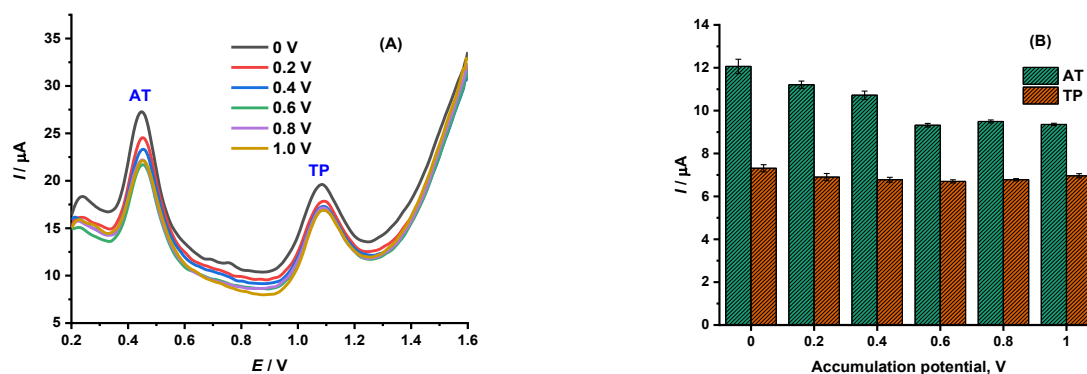


Figure S1. (A) DPV curves of Fe/MCM-41/GCE in 0.02 M BR (pH 6) with $C_{AT} = C_{TP} = 12.5 \mu\text{M}$; (B) accumulation potential from 0 to +1.0 V (accumulation time: 5 s; pulse amplitude: 0.05 V; potential step: 0.005 V)

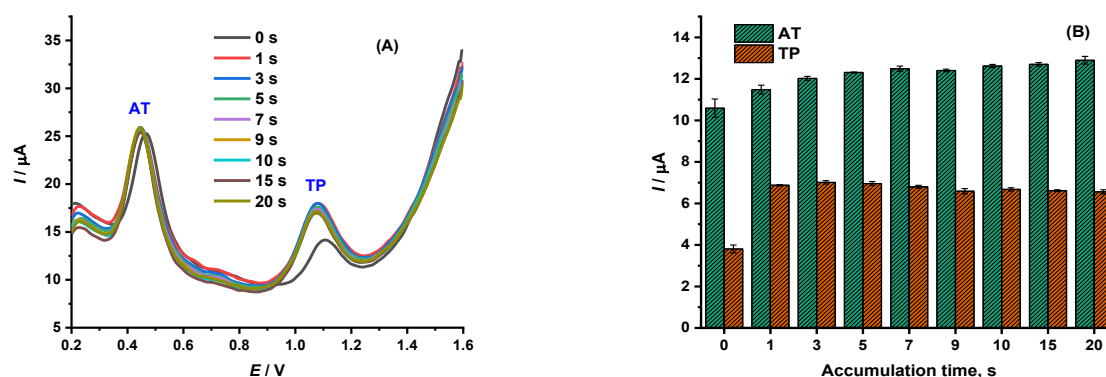


Figure S2. (A) DPV curves of Fe/MCM-41/GCE in 0.02 M BR buffer (pH 6) with $C_{AT} = C_{TP} = 12.5 \mu\text{M}$; (B) accumulation time from 0 to 20 s (accumulation potential: 0 V; pulse amplitude: 0.05 V; potential step: 0.005 V)

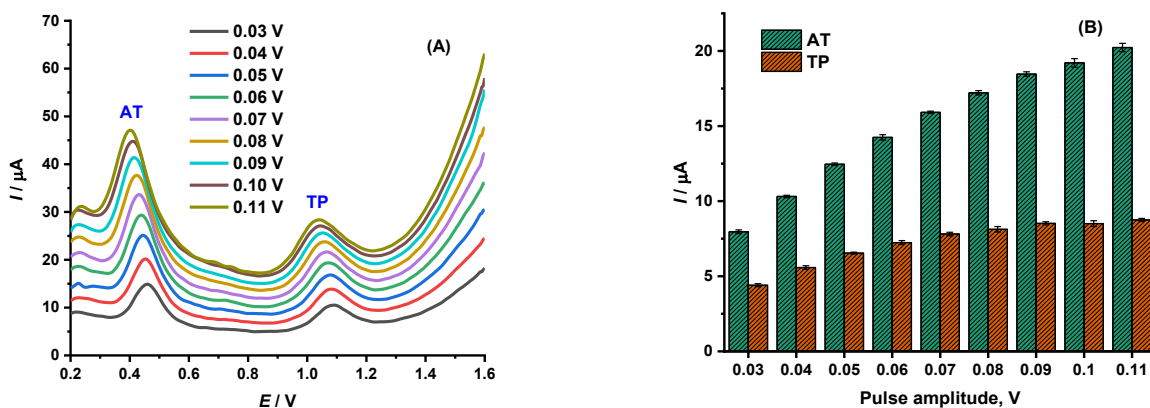


Figure S3. (A) DPV curves of Fe/MCM-41/GCE in 0.02 M BR buffer (pH 6) with $C_{AT} = C_{TP} = 12.5 \mu\text{M}$; (B) pulse amplitude from 0.03 to 0.11 V (accumulation potential: 0 V; accumulation time: 5 s; potential step: 0.005 V)

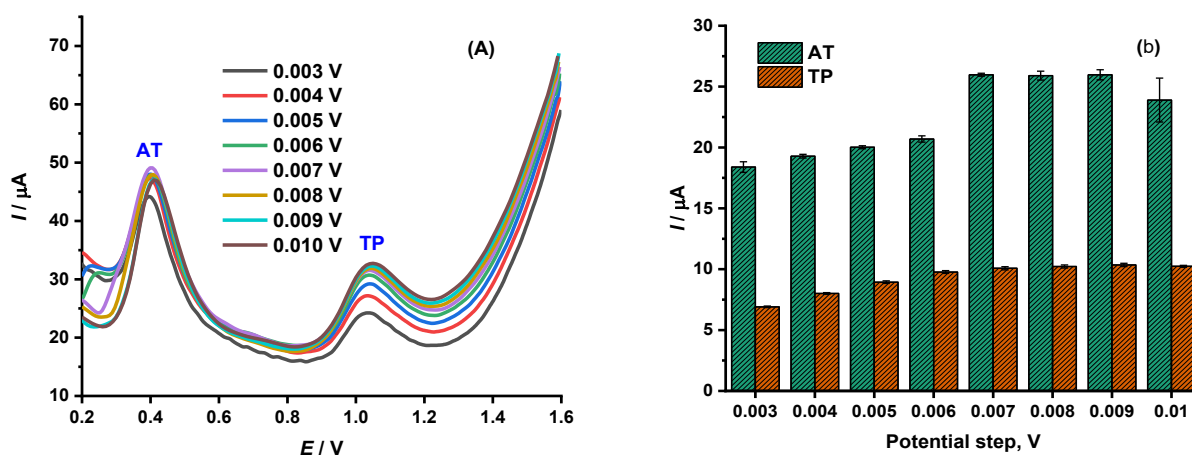


Figure S4. (A) DPV curves of Fe/MCM-41/GCE in 0.02 M BR buffer (pH 6) with $C_{AT} = C_{TP} = 12.5 \mu\text{M}$; (B) potential step from 0.003 to 0.010 V (accumulation potential: 0 V; accumulation time: 5 s; pulse amplitude: 0.11 V)