

Supplementary data for the article:

Lakic, M.; Vukadinovic, A.; Kalcher, K.; Nikolic, A. S.; Stankovic, D. M. Effect of Cobalt Doping Level of Ferrites in Enhancing Sensitivity of Analytical Performances of Carbon Paste Electrode for Simultaneous Determination of Catechol and Hydroquinone. *Talanta* **2016**, *161*, 668–674. <https://doi.org/10.1016/j.talanta.2016.09.029>

Supplementary material for “**Effect of cobalt doping level of ferrites in enhancing sensitivity of analytical performances of carbon paste electrode for simultaneous determination of catechol and hydroquinone**” by Lakić et al.

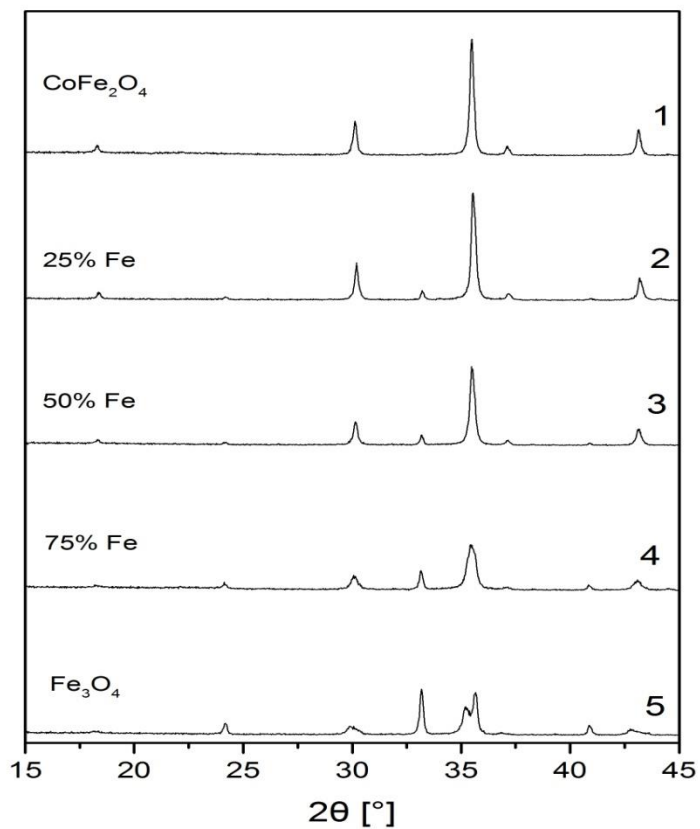


Figure S1. XRD results for different doped ferrites

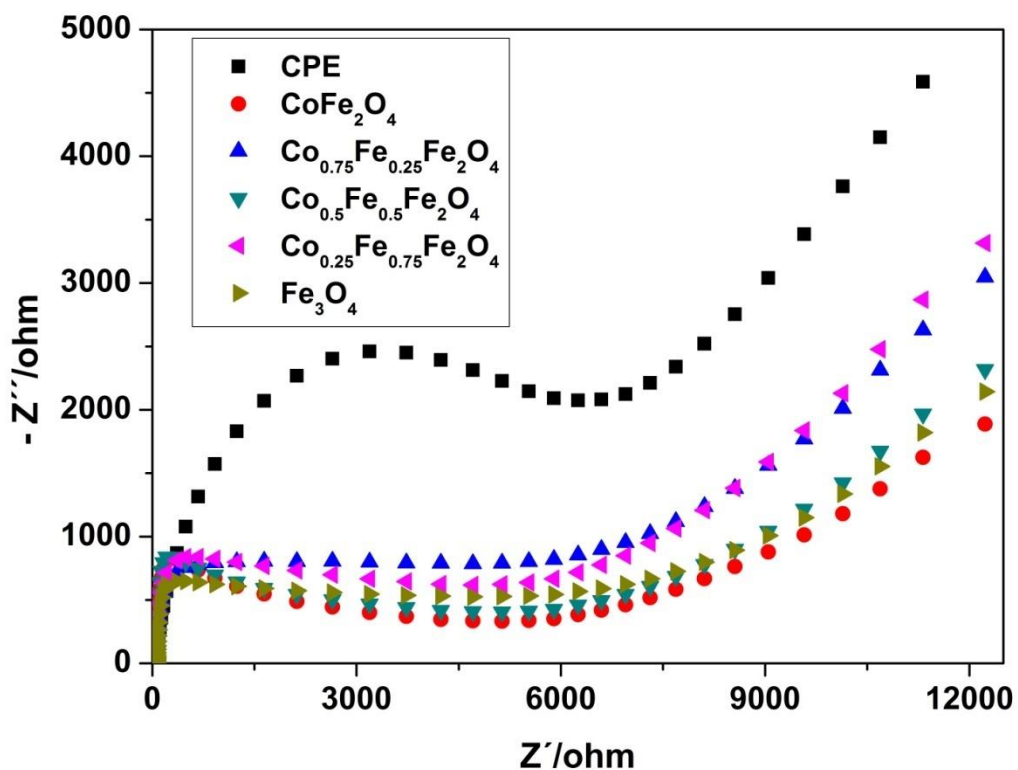


Figure S2. EIS curves for the bare CPE and different modified electrodes at the frequency range of 0.1 Hz to 10^5 Hz

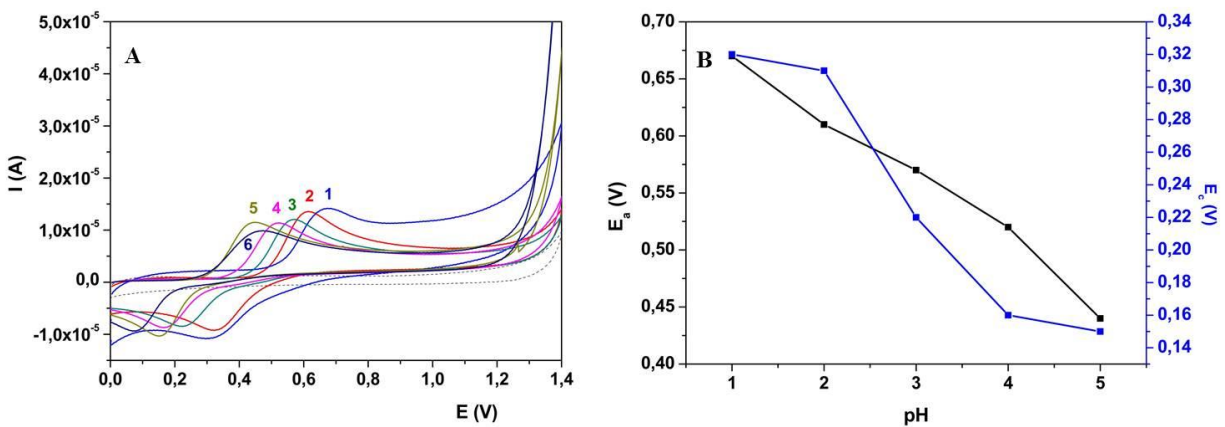


Figure. S3. (A) Cyclic voltammograms of 0.12 mM CC at CoFerrite/CPE in the pH range of 1.0-6.0. (B) The relationship between pH and the peak potentials of CC.

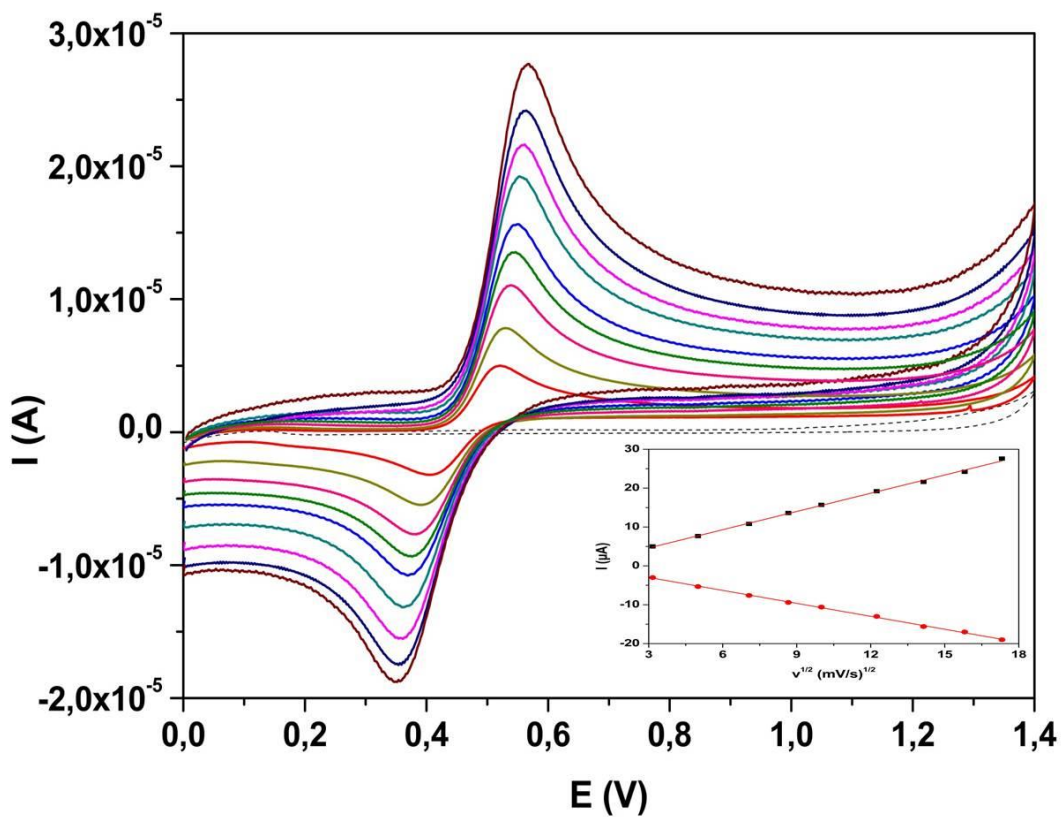


Figure S4. Effect of the scan rate from 10 to 300 mV/s on the cyclic voltammetric response of 0.12 mM CC at the CoFerrite/CPE. The insert is the plot of peak current versus square root of scan rate.

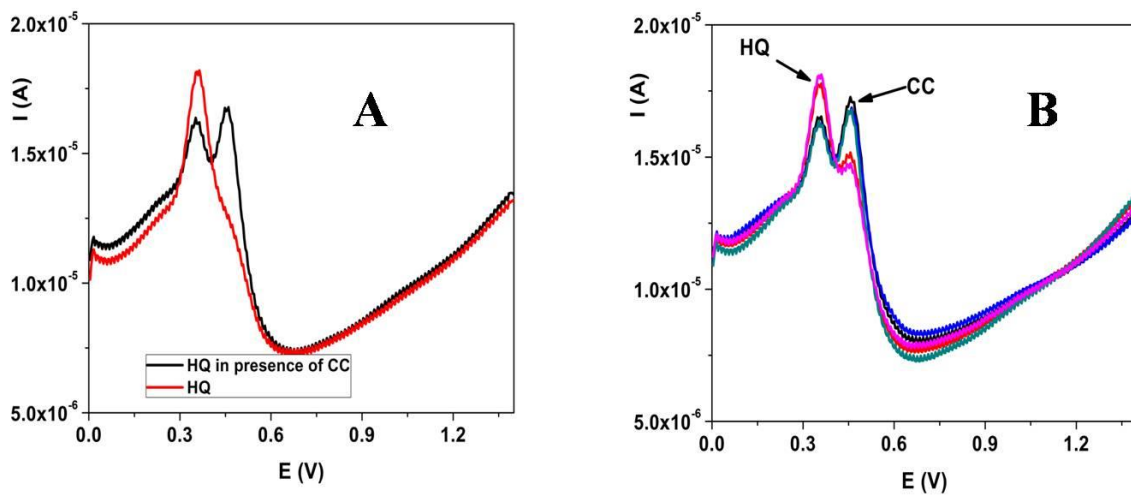


Figure S5. DPV voltammograms obtained for simultaneous determination of CC and HQ at the CoFerrite/CPE. Supporting electrolyte BRBS pH 2.