

Electronic Supplementary Information

Fabrication of new Calix[4]arene functionalized Mn₃O₄ nanoparticles based modified glassy carbon electrode as fast responding sensor towards Pb²⁺ and Cd²⁺ ions

Prashanth Shivappa Adarakatti^{1†}, Ashoka S² and Pandurangappa Malingappa^{1*}

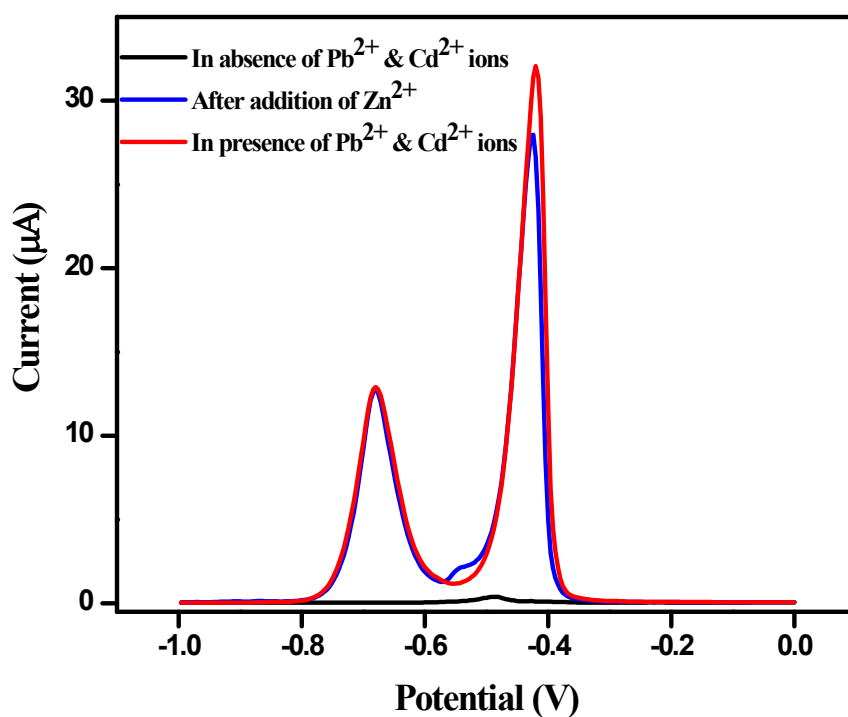
¹ Department of Chemistry, Central College Campus, Bangalore University, Bengaluru – 560001

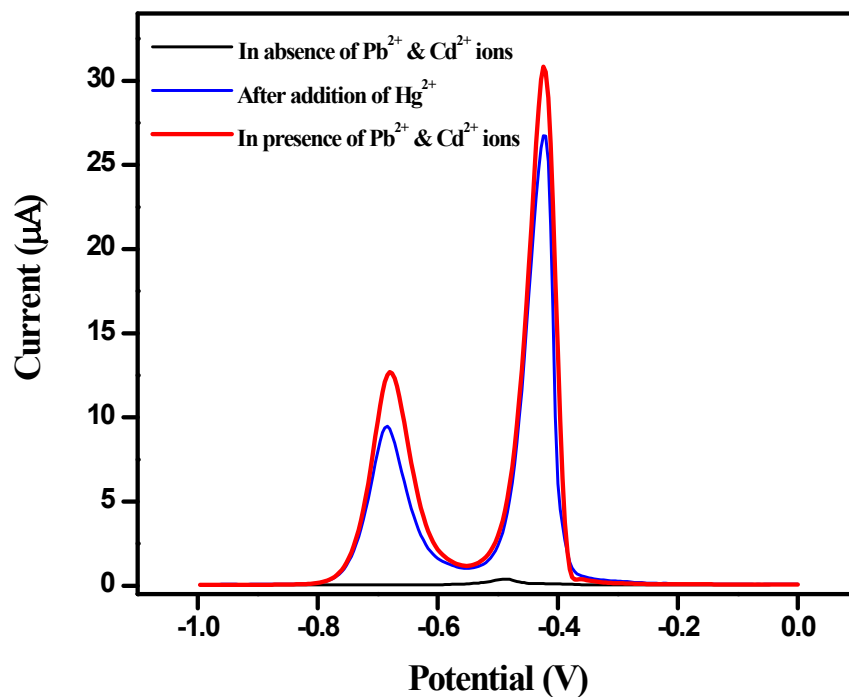
² School of Engineering, Dayananda Sagar University, Kudlu Gate, Bengaluru – 560068

* Corresponding author: mprangachem@gmail.com

† Present address: P.G. Department of Chemistry, KLE's P.C. Jabin Science College, Vidyanagar Hubballi - 580031, India

Interference study





ESI Figure 1. Overlaid differential pulse anodic stripping voltammograms of 1500 ppb each of Pb²⁺ and Cd²⁺ ions in presence of interfering ions like Zn²⁺ and Hg²⁺ in acetate buffer at pH 6 containing 0.1 M KCl as supporting electrolyte; pre-concentration time 4 min; pre-concentration potential -1.2 V.